



Workspace Productivity Connector

Release - 33

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Aras Corporation
100 Brickstone Square
Suite 100
Andover, MA 01810
Phone: 978-691-8900

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Administrator Guide



Overview

Google applications are a big part of most manufacturing companies' product development process. For example, Google doc is used to create product specifications, Google Sheets for product-related financial spreadsheets, and Google Slides for product briefings.

Aras Workspace Productivity Connector provides a convenient way to manage Google Workspace documents in Aras directly from the user interface of Workspace. The Connector helps standardize company documentation procedures by providing easy access to document templates, controlling numbering, and naming of files, and automating creation of viewable PDF files.

The Aras Workspace Productivity Connector administration is straightforward and contained completely within the Administration section of the Aras Innovator web client. The Connector is designed to be simple to use, and one aspect of this is that the administrator controls all options on a site-wide basis. This helps control corporate processes and simplify the user's operation.

This **Administration Guide** assumes a basic knowledge of Aras configuration, including **ItemTypes**, **Lists**, and **Methods**. For more information on these topics, please see the *Just Ask Innovator* documentation, which you can access from within Aras Innovator by clicking **the User icon in the upper-right corner, selecting Help, and selecting Just Ask Innovator**.

It is recommended that all Aras Workspace Productivity Connector administrators read the *Aras Workspace Productivity Connector 33 - User Guide*. This guide explains how the administrator settings affect the user interface and provides in-depth instructions on topics like template management and Office file property mapping, which are both user- and administrative-related.



Aras Workspace Productivity Connector Preferences

Aras Workspace Productivity Connector preference settings are managed within Aras Innovator in the **Administration** section of the **TOC**.

To access these settings, use the following procedure:

1. Log into Aras Innovator as an administrator.
2. From the **TOC**, expand **Administration**, and select **Preferences**.
3. Click the **Search** Icon to execute a search and display a list of **Identities**.
4. In the search grid, double-click on the row containing the **World** identity. This opens the **Preferences** dialog for Aras Innovator.



 Preferences ▼ 

 Search

 Clear

Simple ▼

 ▼

 ▼

 ▼



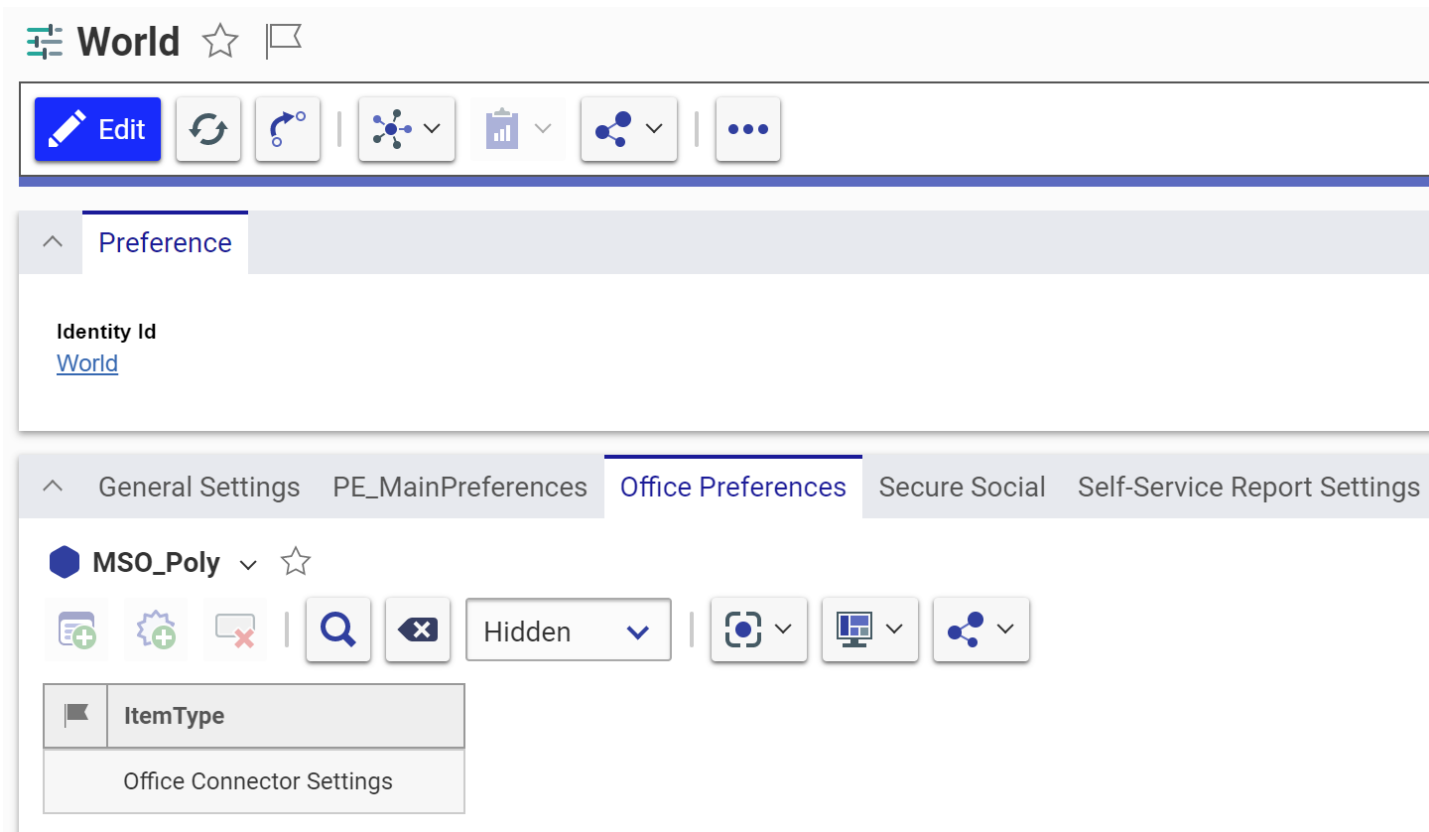
	Identity Id [...]	modified_on [...]
		
	World	3/23/2020 2:...
	Innovator Ad...	3/30/2020 10...

< Prev Next > Page: 1 of 1 | 2 Results | 



5. Click on the **Office Preferences**Tab and double-click on **Office Connector Settings** within the tabular area at the bottom. This opens the **Office Connector Settings** webpage dialog.





General Settings

The general settings are in the dialog's top area and control some of the Aras Office Productivity Connector's general behaviors.

Office Connector Settings ☆

Edit ↻ ↺ ⚙️ 🗑️ 🔗 ⋮

Office Connector Settings

Viewable Generation

☐ Automatically for Save only
☒ Automatically for Save and Close only
☐ Manually select for both Save and Save and Close
☐ Automatically for Save and Close. Manually for Save

☐ Remove Local File On Close
☐ Do Not Increment Link Item Version On Update

Document Types Property Redirection Server Events

Office Document Types ☆

🔍 Hidden 🔍 ⚙️ 🗑️ 🔗 ⋮

O...	Label	Item Type [...]	Classification	Base Docume...	Native File [...]	Viewable File [...]	Template Requ...	Linked Item Re...	Allow Promote	Available To [...]	Generate Thu...	Valid Linked Items
1...	Document / Ad-hoc	Document	Ad-hoc		Document File - Native	Document File - Viewab...	☐	☐	☒	World	☒	Part
2...	Document / General	Document	General		Document File - Native	Document File - Viewab...	☒	☐	☐	World	☒	Part
5...	Document / Product	Document	Product		Document File - Native	Document File - Viewab...	☒	☐	☐	World	☒	Part
6...	Document / Project	Document	Project		Document File - Native	Document File - Viewab...	☒	☐	☐	World	☒	

< Prev Next > Page: 1 of 1 4 Results 🔍

- **Viewable Generation:** Automating the creation of viewable files, like PDF and PDF/A, from Google Drive is one of the Aras Office Workspace Connector functionalities. There are four options that determine when viewable files are generated.

- **Automatically for Save only**
- **Automatically for Save and Close only**
- **Manually select for both Save and Save and Close**
- **Automatically for Save and Close. Manually for Save**

If the first or second option is selected, the system always handles the generation automatically.

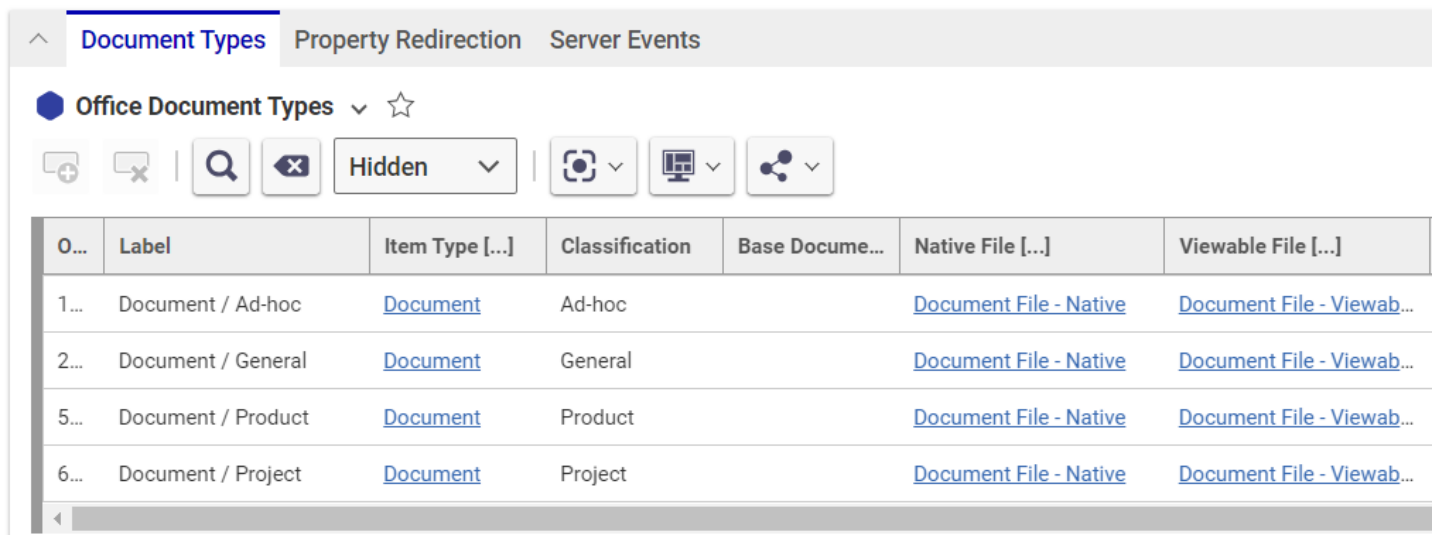
If the third or fourth option is selected, a checkbox is added to the Aras ribbon that enables the choice to generate the viewable file.

- **Remove Local File On Close:** This setting does not apply to Aras Workspace Productivity Connector.
- **Do Not Increment Link Item Version On Update:** This setting is currently unavailable for Aras Workspace Productivity Connector.

Document Types



The first tab in the Office Connector Settings dialog is **Document Types**. A **Document Type** refers to the combination of an **ItemType** and **Classification** used to manage an Office file. Any Aras **ItemType** (not just **Document**) can be used to manage Office documents if it is properly configured here in these settings. It is important to understand that the standard settings provided in this Tab are examples only. It is expected that they will be configured to match requirements for an organization. The standard settings refer to four **Classification** Values of the **Document ItemType** as shown below. The standard release automatically includes these **Classification** Values (**Ad-hoc**, **General**, **Product**, and **Project**) in the **Document ItemType**.



O...	Label	Item Type [...]	Classification	Base Docume...	Native File [...]	Viewable File [...]
1...	Document / Ad-hoc	Document	Ad-hoc		Document File - Native	Document File - Viewab...
2...	Document / General	Document	General		Document File - Native	Document File - Viewab...
5...	Document / Product	Document	Product		Document File - Native	Document File - Viewab...
6...	Document / Project	Document	Project		Document File - Native	Document File - Viewab...

In the table view, the **Order** property can be set to control the **sort order** for the **Document Types** — the order in which users see the **Document Types** listed when they create new documents from the Aras Office Connector. For the rest of the **Document Type** settings, it is more practical to edit them within a form rather than the tabular layout:

- To edit an existing **Document Type** in the relationship grid, right-click to display the context menu. Select **Document Types** and **Open**.
- To create and edit a new **Document Type**, click the **Add Row** button, select the new row, and select **Document Types** and **Open**.

You will then see the Office Document Type form.

Document / Ad-hoc

Edit

Office Document Type

Label

Document / Ad-hoc

Item Type

Document

Classification

Ad-hoc

Native File

Document File - Native

Viewable File

Document File - Viewable

Base Document Type

Template Filter Method

MSO_DefaultTemplateFilter

Generate Thumbnail

☒

Template Required?

☐

Linked Item Required?

☐

Available To

World

Document Numbering

Method

Document Numbering Sequence

Document Numbering Method

MSO_Adhoc_Document_Numbering

Rename File?

No

File Naming Method

Allowed Office Applications

☒ Word

☒ Excel

☒ PowerPoint

☐ Outlook

☒ Visio

Allow Promote

☐

Allow Select Existing Document

☐

- **Label:** This is the name of the **Document** Type that users see. It can be any name.. By default, the value of **Label** will be automatically set as the combination of **ItemType** and **Classification** (as shown above), but it can be changed by typing something else in the **Label** field.
- **Item Type:** The name of the base **ItemType** used to manage Office documents. This can be any **ItemType** in the system.
- **Classification(Optional):** A specific **Classification** Type to use **Classification** to differentiate **Document** Types. If left blank, the base **ItemType** is used without a specific class value.
- **Native File:** Indicates where the native Office file (like .docx) is located in relation to the main itemThis can be either a relationship to File, a null relationship with an item property with a source File, or a property of type Item with source File. The value used to specify this is an Office Document Reference. Read the *Office Document References* section for details.
- **Viewable File:** This specifies the reference to the location of the viewable Office file (.pdf , etc.) relative to the base **ItemType**.



- **Base Document Type(Optional):** Shows the name of another Office Document Type used as the basis for **Property Mapping** and **Valid Linked Items** settings. Refer to the *Base Document Type* section for details.
- **Template Filter Method:** This allows setting the desired logic to determine which templates are available for selection by the user when they create a document. The Template Filter **Methods** provided by default are intended to give administrators examples of how to set this up. For example, the **MSO_ReleasedTemplateFilter Method** only allows users to select Released templates..
- **Generate Thumbnail:** This controls whether the thumbnail will generate on the **Document** Item form in Aras Innovator each time the item is saved.
- **Template Required?:** This controls whether the user must select a template stored in Aras when creating a new document using the **New Aras Document** command. Certain **Document** Types require templates, thus standardizing the document creation process in the organization.
- **Linked Item Required?:** This controls whether the user must select a Linked Item when creating a new document of this type. Certain **Document** Types, such as a **Part** or **Project**, should require using a Linked Item because the document should not exist without a relationship to this Item.
- **Allow Promote:** This controls whether the **Promote** function is available for the **Document** Type. This should only be enabled if the **ItemType** corresponding to the **Document** Type allows manual promotion and is not under the control of a change Item like **ECO** or **DCO**. If enabled, the **Promote** function will be made available both in the Aras ribbon (for manual use) and as part of the **Save and Close** function, for promoting after work is complete.
- **Allow Select Existing Document:** This allows users to select an existing **Document** Item, create a new file, and link the two instead of creating a new document of a particular type. Users can then use the **Document Number** associated with the existing **Document** Item instead of generating a new **Document Number**.

Important

If the **Allow Select Existing Document** checkbox is not selected, users cannot use an existing document.

- **Available To:** This specifies a single **Identity** that has access to the **Document** Type. Any user who belongs to this **Identity** can create documents of this Type. Otherwise, the user will not see the corresponding **Document** Type when creating a new document.



- **Document Numbering:** Document Numbering controls how Aras Documents are numbered for Office files. You can choose from three options:
 - **Method:** Use a custom Aras Method to define the numbering logic. You must enter the Method name in the next field.
 - **Sequence:** Use a predefined Aras Sequence. You must enter the Sequence name in the next field.
 - **Manual:** Let users enter the Document Number manually when creating the document.
- **Document Numbering Sequence:** If **Document Numbering** is set to **Sequence**, this field must include the name of the Aras **Sequence** to be used to define **Document Numbers**.
- **Document Numbering Method:** If **Document Numbering** is set to **Method**, this field must include the name of the Aras **Method** to be used to define **Document Numbers**. This approach provides more flexibility than **Sequence** since any desired logic can be used. The **Document Numbering Methods** provided by default are intended to give administrators examples of how to set this up. For example, the **Method MSO_Product_Document_Numbering** includes the following logic:
 - Determine if the **Document** is being linked to a **Part** (a **Valid Linked Item**).
 - If YES, the **Document Number** will be of the format **P12345-DOC-1**, where **P12345** is the **Number** of the Linked **Part**, **-DOC-** is a fixed text string, and **1** is a sequential integer starting from 1. If a second **Document** is later linked to the same **Part**, its **Document Number** will be **P12345-DOC-2**.
 - If NO, the **Document Number** will be set using the Default **Document** sequence.

The **Method** approach provides additional logic that allows the **Document Number** to be based on the **Part Number** if a Linked **Part** exists.

- **Rename File?:** This setting controls whether the Office file being saved into Aras (or being newly created) will be renamed or left as-is. Valid options are:
 - **No:** If saving an existing file, the file will not be renamed, and if creating a new file, the user will be prompted to enter a file name.
 - **Method:** An Aras **Method** will define the logic for renaming (or naming) the file. If this setting is used, the name of the Aras **Method** must be defined in the **File Naming Method** field.
 - **Match Document:** The filename will match the **Number** assigned to the **Document** based on the **Document** Numbering approach described above.
- **File Naming Method:** If **Rename File?** is set to **Method**, this field must include the name of the Aras **Method** to be used to define the file name. This approach provides more flexibility, like



Method for **Document** Numbering. The **File Naming Methods** provided by default are intended to give administrators examples of how to set this up. For example, the **Method MSO_Product_File_Naming** retrieves the value of the **Document Number** and appends the dash character and the entered **Document** Title (if any) to it. For example:

- If the **Document Number** is **P12345-DOC-1**, the File Name will be **P12345-DOC-1-MyTitle**.
- If the **Document Number** is **D54321**, the File Name will be **D54321-MyTitle**.

The **Method** approach provides additional logic that allows the file name to be more descriptive.

- **Allowed Office Applications:** This field specifies which Office application the **Document** Type applies to.

Important

Aras Workspace Productivity Connector currently supports Google Docs, Sheets, and Slides.

Default Document Type

A **Default Document Type** has its **ItemType** Value set, but the **Classification** Value is not set. This is used to manage files that were previously stored manually in Aras. For example, an administrator uses the standard Aras **Document ItemType** and has ten different **Classification** values already used in existing **Documents** (not created by the Aras Workspace Productivity Connector). Suppose that in the future, the administrator wants to use only specific **Document Types** in Aras Workspace Productivity Connector for three of those **Classifications**. This means that if a user opens a **Document** set to any of the other seven **Classification** Values, it will be opened as a **Default Document Type**. Thus, it will follow the defined behaviors of the **Default Document Type** regarding **Property Mappings**, **Valid Linked Items**, etc. This saves time, as **Document Types** won't have to be defined for every existing **Classification**. Any **Document** with a **Classification** Value that does not match a specific **Document Type** will be treated as **Default**.

Base Document Type

Using a Base Document Type simplifies the definition of Property Mappings and Valid Linked Items, where most or all definitions are shared with many Document Types. To set a Base Document Type,



simply pick an existing Document Type from the Base Document Type Property. In the example below, the Document Type Document / Miscellaneous uses a Base Document Type of Document Base. The Document / Miscellaneous Document Type automatically uses all Property Mapping definitions and Valid Linked Items for Document Base.

Document / Miscellaneous

Office Document Type

Label: Document / Miscellaneous

Item Type: Document

Classification: Miscellaneous

Native File: Document File - Native

Viewable File: Document File - Viewable

Base Document Type: **Document Base**

Generate Thumbnail: ☐

Template Required?: ☐

Allow Promote: ☐

Linked Item Required?: ☐

Allow Select Existing Document: ☐

Document Base

Office Document Type

Label: Document Base

Item Type: Document

Classification:

Native File: Document File - Native

Viewable File: Document File - Viewable

Base Document Type:

Generate Thumbnail: ☐

Template Required?: ☐

Allow Promote: ☐

Linked Item Required?: ☐

Allow Select Existing Document: ☐

Property Mapping

Order	Office Property	Aras Property	Use Template
128	Aras Created On	created_on	☐
256	Title	name	☐
384	Aras Author	created_by_id	☐
512	Subject	description	☐
640	Aras Document	item_number	☐
768	Revision	major_rev	☐

The following logic applies when using a Base **Document Type**:

- All settings in the **Document Type** header must be set directly and are not inherited from the **Base Document Type**.
- Any Property Mappings set on the current **Document Type** are in addition to those set on the **Base Document Type**. When there are duplicates, the settings on the current **Document Type**



override those on the **Base Document Type**.

- Any **Valid Linked Items** set on the current **Document Type** are in addition to those set on the **Base Document Type**. When there are duplicates, the settings on the current **Document Type** override those on the **Base Document Type**.
- The **Base Document Type** must be the same **ItemType** as the referencing **Document Type**.
- Only one reference level is allowed (i.e., no recursive definition).

The concepts of **Base Document Type** and **Default Document Type** can be combined. This is achieved simply by defining a **Base Document Type** with no Classification Value.

Attaching a Google Doc/Sheet/Slide to an Existing Aras Innovator Document

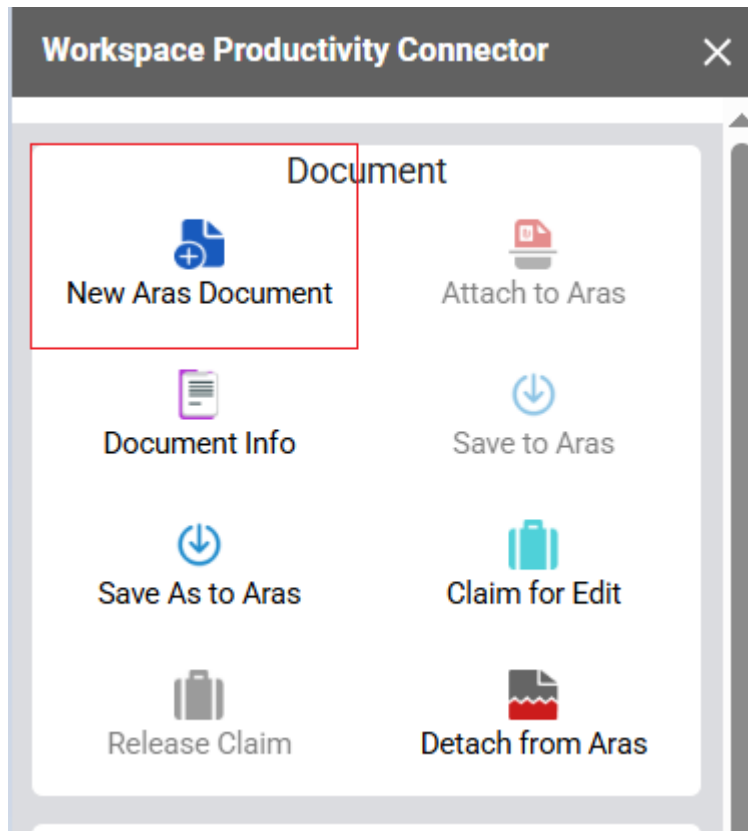
Important

The **Allow Select Existing Document** checkbox must be checked on the appropriate Office Document Type before you can use this feature.

Use the following procedure to attach a file to an existing Aras Innovator document:



1. Select **New** and **New ArasDocument** in the ribbon. The New Document task pane appears:



Workspace Productivity Connector

×

New Aras Document

Document Type *

Document Template

... ✕

Link to

Linked Item

... ✕

Title *

File Name *

Document Number

auto-generated

Properties

OK

Cancel

2. Select the **Document Type** from the dropdown list in the **Document Type** field.



Workspace Productivity Connector

×

New Aras Document

Document Type *

Document / Ad-hoc

▼

3. Click the **ellipsis** (...) next to the **Document Number** field. The Search dialog box appears.

Search Document

▼

Search

Clear

*Note: Can not select Document items with state Released

Claim	Document Number	Revision	Name	Type	State	Authoring Tool	Change
▼				Ad-hoc		Microsoft Word ▼	☐

No Items Found

Select

Cancel

4. Click the **Search** Icon to see a list of existing document items that do not have any related files.



Search Document

Search

Clear

*Note: Can not select Document items with state Released

Claim	Document Number	Revision	Name	Type	State	Authoring Tool	Change:
				Ad-hoc		Microsoft Word	☐
	100029	A	Bicycle Wheel Specification	Ad-hoc	Preliminary	Microsoft Word	☐
	DOC-123	A	Specification	Ad-hoc	Preliminary	Microsoft Word	☐

Select

Cancel

- Select the existing **Document** and click **Select**. The **Document Number** is applied to the new document.

Document Number

DOC-123

Properties

OK

Cancel

Property Redirection

The third tab in the Office Connector Settings dialog is called **Property Redirection**. This Tab allows you to define redirection for specific properties, such as **authoring_tool**, required by the Office Connector. It can also be used in cases where a property required by the Office Connector is already being leveraged for another purpose and cannot be used simultaneously with the Office Connector.

Document Types
Property Redirection
Server Events

Property Redirections

Hidden

Item Type [...]	Original Property [...]	Redirect Property [...]
CAD	authoring_tool	authoring_tool_office
Document	authoring_tool	authoring_tool_office

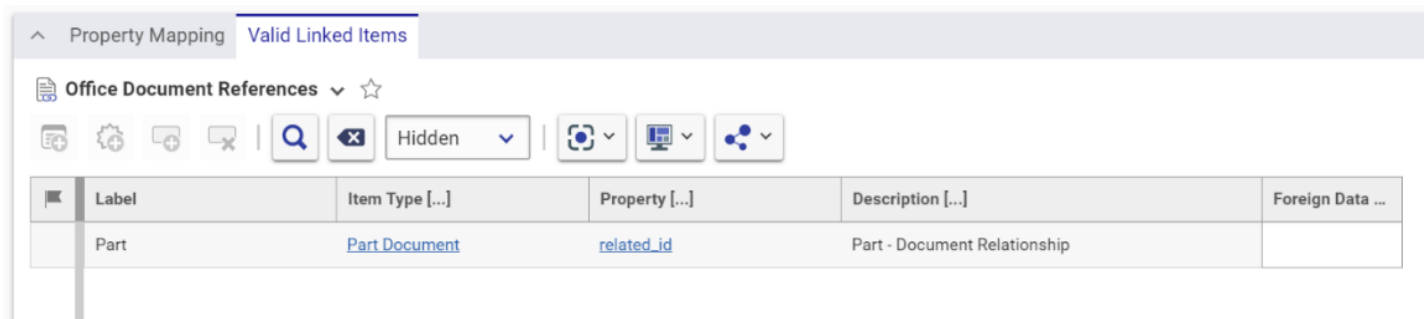
- **Item Type:** This is the Name of the **ItemType** within Aras Innovator that requires property redirection.
- **Original Property:** This is the Name of the property within the Aras **ItemType** definition that is to be redirected. It must be set to **authoring_tool**. No other Aras properties are currently supported.
- **Redirect Property:** This is the name of the property within the Aras **ItemType** definition to which the original property will be redirected.

Valid Linked Items

The **Aras Workspace Productivity Connector** makes it easy to link Documents to other Aras Items like **Parts** and **Projects**. The term “link” refers to the Aras concept of a relationship between two items. When links are used, the Base Item that contains the files is always the Related (i.e., Subordinate) Item and it is related to a Parent Item such as a **Part**.

You can define **Valid Linked Items** on the second Tab of either the Office Document Type or Office Email Document Type Form. This setting defines which Aras **ItemTypes** can be used as Parent Items of the Relationship for the given **Document Type**. For example, in the standard settings, only **Parts** can be linked items for the **Document / Product Document Type** because this type is designed to manage documents related to **Part** definition (specs, test plans, etc.).





Valid Linked Items are defined separately for each **Document Type**, and you can have as many valid Items as you want. Entries for **Valid Linked Items** are based on Office Document References, as described in the following section.

Office Document References

Office Document Reference is an **ItemType** used by the Aras Workspace Productivity Connector to define **Document Types** in a flexible way. It defines the links between the Base **ItemType** used by the **Document Type** and:

- The files are managed by the Connector (viewable).
- Any **valid linked items** (such as **Part**, **Project**, etc.).

In each of these cases, the links can either be:

- Item relationships (e.g., **Document** File, **Part** Document).

You can access Office Document References from the **Administration** section of the **TOC**.

aras INNOVATOR

Office Documenten...

Office Document References

Search Clear Simple

Label	Item Type [...]	Property [...]	Description [...]
Document File - Viewable	Document File	related_id	Viewable files stored on Documents
Document File - Native	Document File	related_id	Native Office files stored on Documents
Part	Part Document	related_id	Part - Document Relationship
Document File - Thumbnail	Document File	related_id	Thumbnail files stored on Documents

Contents

- Administration
 - Access Control
 - Configuration
 - Content Modeling
 - Effectivity Services
 - Enterprise Search
 - File Handling
 - Localization
 - Mass Operations
 - Notification
 - Secure Social
 - System Events
 - Watermarking
- Actions
- Feature Licenses
- Forms
- Grids
- Identities
- ItemTypes
- Life Cycle Maps
- Lists
- Methods
- Office Document References

The standard references shown here are provided to support the standard **Document Types**, but customers are expected to create their own to match the **ItemTypes** they are using to manage Office documents. **Office Document References** contain four properties as shown on the form here:



Document File - Viewable

Office Document Reference

Label
Document File - Viewable

Item Type
Document File

Property
related_id

Description
Viewable files stored on Documents

- **Label:** The name of the reference.

Important

When the reference is used for **Valid Linked Items**, this **Label** will be visible to users in the **Link to** selector in the New Aras Document task pane. The **Label** should typically be set equal to the **Singular Label** of the Parent **ItemType**.

- **Item Type:** For a relationship, this is the name of the Relationship **ItemType**. This is the **ItemType** containing the property for a property of type **Item**.
- **Property:** This will always be the **related_id** property for a relationship. This is the name of the property for a property of type **Item**.
- **Description:** A description for the reference.

Property Mapping

Property Mapping is defined on the first tab of either the Office Document Type or Office Email Document Type Form. This Tab controls the property mappings between the Office file and the Aras **Document**. Properties can be mapped in either direction and can be set to be mapped either during

Property Mappings must be defined for each **Document** Type separately, although using **Base Document Types** can simplify the process. The Aras Office Connector provides a set of standard **Property Mappings** as shown here. **xProperties** can be used in **Property Mappings**. Any **Extended Classifications (xClasses)** assigned to template documents will be automatically assigned to documents created from the templates, and **Property Mappings** can be configured for **xProperties** within the assigned **xClasses**.

If Property **Mapping** includes an **xProperty** configuration but the **Document** Item does not include these **xClasses**, the **Property Mapping** will be ignored. If a user creates a new **Document** in Office Connector and selects an existing **Document** and **Document Template**, any **xClasses** contained in the **Documents** are merged. Standard Mappings for **Document Types**:

Property Mapping

Valid Linked Items

MSO_DocumentType PropertyMap

Hidden

Order	Office Property	Aras Property	Use Template	Direction	Create	Update
128	Aras Created On	created_on	☐	From Aras to Office File	☒	☐
256	Title	name	☐	From Office File to Aras	☒	☐
384	Aras Author	created_by_id	☐	From Aras to Office File	☒	☐
512	Title	name	☐	From Aras to Office File	☐	☒
640	Subject	description	☐	From Office File to Aras	☒	☒
768	Aras Document	item_number	☐	From Aras to Office File	☒	☒
896	Revision	major_rev	☐	From Aras to Office File	☒	☒

Standard Mappings for Email Document Types:

Property Mapping				
Valid Linked Items				
MSO_EmailDocType PropertyMap				
+ × Q × Hidden ⚙ 🖥 🔗				
Office Property	Aras Property	Direction	Cre...	Upd...
Subject	name	From Outlook Email to ...	☒	☐
\$MSO_EmailDesc...	description	From Outlook Email to ...	☒	☐

- **Office Property:** This is the property's **Name** within the Office file. It can be either a standard property (such as **Title** or **Subject**) or a custom property (such as **Aras Author**). When mapping from Office File to Aras, this property must exist in the file. When mapping from Aras to Office File, if the property does not exist, it will be automatically created as a custom property. When mapping to and from Excel Cells, this value is the name of a **Named Cell**.
- **Aras Property:** The property's Name is in the Aras **ItemType** definition. It must exist for either mapping direction or an error will occur.
- **Use Template:** If enabled, the corresponding property value from the Template **Document** will be set into the newly created **Document**. Please refer to the *Mapping Properties from Linked Items* section for details.
- **Direction:** The following table shows all valid mapping directions and which Office applications they work in:

Direction Doc Sheet Slide

From Office File to Aras	X	X
From Aras to Office File	X	X

- **Create and Update:** The checkboxes in these columns define which events the mappings occur. **Create** refers to the initial save to Aras, and **Update** refers to subsequent saves to Aras.

Some important points about **Property Mapping**:

- Mapping can be one way on **Create** and another on **Update**. The default mapping for **Title** is an example. This means that the initial **Title** is set based on the Office file during the first save to Aras, but after that, Aras is the source of any changes to the **Title**.
- The same property must not be mapped on the same event in both directions.



- Valid Aras property Types for mapping include String, Text, Integer, Decimal, Float, List, Filter List, Multi Value List, Boolean, Date, and Item. Foreign and Federated property data types are also supported, but only in the direction from Aras to Office.
- If properties are defined as Required on the Aras **ItemType**, the property entry field will be presented to the user with a blue background inside Aras Office Productivity Connector. The user cannot create or save a new document until all required properties are entered.
- If properties are defined as having a default value on the Aras ItemType, this default value will be present to the user inside Aras Office Productivity Connector. They may then change the value if desired.

Important

Classification and **authoring_tool Property Mappings** are only supported from Aras to Office. They cannot be mapped from Office File to Aras.

Mapping Properties from Linked Items

Documents are often linked to other Aras Items, like **Parts**. It is useful to be able to map properties from these linked Items. This capability is available but uses a specific technical approach known as **Foreign** properties in Aras, essentially properties inherited from one Item to another. This approach makes it possible to map and display properties from linked Items but not to set properties on those Items. The following example describes the step-by-step process to set this up.

Company ACME has certain product specifications in Word that require displaying the official **Part** and **Project Numbers** from their Aras PLM system and the **Document** number itself. The header of the Word document looks like this:

ACME PRODUCT SPECIFICATION

Document Number DOC-22412

Part Number P14332-001

Project Number PROJ-2213

While the value of the **Document Number** is a standard case, getting the values for the **Part Number** and **Project Number** mapped into the Word document requires establishing appropriate **Foreign** properties on the **Document** Item.



1. Set up Properties on the **ItemType**.

Properties necessary to support our example look like this:

Properties				
Properties + × 🔍 🔍 Hidden 🔍 🖨 🔗				
Name ↑	Label	Data Type	Data Source [...]	Foreign Property [...]
linked_part	Linked Part	Item	Part	
linked_part_number	Linked Part Number	Foreign	linked_part	item_number
linked_project	Linked Project	Item	Project	
linked_project_number	Linked Project Number	Foreign	linked_project	project_number

The **linked_part** and **linked_project** properties are regular Item properties that point to the linked **Part** and **Project**, respectively. The **linked_part_number** and **linked_project_number** properties are **Foreign** properties that refer back to the Item properties.

Important

It is possible to access more than one property from the same linked Item by defining multiple **Foreign** properties with the same **Data Source** but different **Foreign Properties**.

2. Set up **Foreign Data Source** for Linked Items.

The Aras Workspace Productivity Connector needs to know the names of which Item properties to set for each linked item. When **Foreign** properties are used, you need to add the name of the Item property into the **Foreign Data Source** column of the **Valid Linked Items** settings, as shown here:

Office Document References

Important

When a **Foreign Data Source** is selected, the Aras Workspace Productivity Connector automatically sets the ID of the user's selected linked item into the **Foreign Data Source** property for the current **Document**. Then, based on the standard behavior of Aras **Foreign Properties**, property values from the linked Item are made available.

To map the actual **Foreign** properties into Office, use **Property Mappings**. Only directions going from Aras to Office are supported.

^

Property Mapping

Valid Linked Items

MSO_DocumentType PropertyMap

▼

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+

×

Q

✕

Simple

▼

▼

▼

▼

Order	Office Property	Aras Property	Use Template	Direction	Create	Update
	link*					
900	Linked Part Number	linked_part_number	☐	From Aras to Office File	☒	☒
901	Linked Project Number	linked_project_number	☐	From Aras to Office File	☒	☒



Installation Guide



Overview

This document provides step-by-step instructions for installing the Aras Workspace Productivity Connector 33, which integrates Aras Innovator with Google Workspace. While the steps are designed to guide a novice administrator through the installation, a general understanding of system administration, network deployment, and Aras Innovator administration is recommended.

To complete the installation of Aras Workspace Productivity Connector 33, follow these steps:

1. Install **Aras Innovator**
2. Install **Aras Workspace Productivity Connector components** in Aras Innovator.
3. Install **Aras Workspace Productivity Connector 33 components** in Google Workspace.

Important

The following procedures assume a fresh installation of both Google Workspace and Aras Innovator. If you're working with a customized instance of either product, contact the vendor for support.



Installing Aras Innovator

The first step in installing Aras Workspace Productivity Connector 33 is to set up the Aras Innovator instance. This section describes the three major steps for setting up your Aras Innovator instance with Aras Workspace Productivity Connector 33.

Aras Innovator

Important

Subscribers can download the Aras Innovator CD image from the [Aras MFT](#) site located in the **Innovator Latest Release** folder.

You can find the Aras Innovator installation guide in the **Documentation** folder of the CD image.

At release, Aras Workspace Productivity Connector 33 supports **Aras Innovator 33**. (If you're using an earlier version, please upgrade before installing the connector.)

- The Workspace Productivity Connector requires HTTPS, so your Aras Innovator instance must be configured to use HTTPS.
- If you need help upgrading, contact Aras Support at the [Aras Subscriber Portal](#) before installing the connector.

Confirming the Aras Innovator Installation

Follow this procedure to check if the Aras Innovator Code Tree and database meet the minimum requirements to apply the Aras Workspace Productivity Connector Solution AML:

1. Log into Aras Innovator as an administrator.
2. Click the **User** icon in the top-right corner and select **About**.
3. Confirm that the dialog shows **Release33**.
4. Close the dialog.
5. From the **TOC**, expand **Administration** and select **Variables**.
6. Confirm that the following variables are listed:



Version Major	Version Minor	VersionServiceUpdate	VersionLabel
14	0	30	Release 33

Feature License Key

Aras Workspace Productivity Connector 33 requires a valid Feature License to run. To check if one is installed:

1. Log into Aras Innovator as an administrator.
2. In the TOC, expand **Administration** and select **Feature Licenses**.
3. Look for the **Aras.WorkspaceProductivityConnector** license. If it's listed, check the expiration date to ensure it's still active.

Requesting a Feature License

To request a Feature License activation key, customers with an active Aras subscription can **send an email to licenses@aras.com** or **contact their account representative** using the subject and body:

Subject Aras Workspace Productivity Connector Activation Key Required

Body *Version of Aras Innovator*

You'll receive a reply with the activation key.

Installing the License

Once you have the activation key, you can install the feature license:

- Log into Aras Innovator as an administrator.
- Click the **User** icon in the top-right corner and click **Activate Feature**.
- Paste the acquired activation key and click **Activate**. You will see a success message.



Installing Aras Workspace Connector Server Components

After successfully installing and confirming Aras Innovator, the Aras Innovator database must be modified with the metadata required to run Aras Workspace Productivity Connector 33.

Before proceeding, ensure the following components are available:

- **Aras Innovator 33**
- **Aras WorkspaceProductivity Connector Feature License**
- **Aras Update Tool 1.23**

or

- **Aras Innovator Package Import Export Utilities**

Notification and Backup

1. Notify users that the system will be down at a scheduled time and that they should log out before the process starts.

Important

It is best to give at least 24-hour notice, as well as a reminder 15 minutes prior to the upgrade.

2. Backup the Code Tree

The “Code Tree” refers to files and folders installed on the disk when Aras Innovator was first installed. The default path for the Code Tree installation would be something like:

C:\Program Files (x86)\Aras\Innovator



With the following contents:

Name	Type	Size
 AgentService	File folder	
 ConversionServer	File folder	
 DB	File folder	
 Innovator	File folder	
 OAuthServer	File folder	
 SelfServiceReporting	File folder	
 Tools	File folder	
 VaultServer	File folder	
 ConversionServerConfig	XML File	1 KB
 InnovatorServerConfig	XML File	2 KB
 SelfServiceReportConfig	XML File	1 KB
 VaultServerConfig	XML File	1 KB

- Follow these steps to confirm the installation folder:
 - From the Windows search field, enter **Control** to access the **Control Panel**.
 - Select **Programs and Features**.
 - Right-click the **Name** column and select **More...**
 - Select the **Comments** header if it has not been checked.
 - Click **OK**.
- Search for the **Aras Innovator** entry in the **Programs and Features** window.
- View the value set in the **Comments** column for the Aras Innovator entry:

Organize ▾ Uninstall					
Name	Publisher	Installed On	Size	Version	Comments
 Aras Innovator	Aras Corporation	10/22/2024	1.24 GB	14.0.28	Installed to C:\Aras Installations\Innovator\Release32\
 Aras Update	Aras Corporation	7/26/2024	42.1 MB	1.23.1357	Aras Update

After verifying the Code Tree installation path, back up the folder and all its contents.

6. Disconnect all users from the database

To prevent any further changes to the database by client sessions, the simplest method is to:

- Open the **InnovatorServerConfig.xml** file



- Modify the database connection string by changing `<DB-Connection...` to `<xDB-Connection...`
- Restart the **w3svc service (IIS)**.

This will immediately expire all active sessions and block any new connections to the Aras Innovator database through the current instance.

7. Backup the database

Store these files in a safe location, as they will be needed if the process fails.

8. Enable database connections

Once the database backup is complete:

- Open the `InnovatorServerConfig.xml` file.
- Change the connection string from `<xDB-Connection...` back to `<DB-Connection....`
- Restart the **w3svc service (IIS)**.

Installing Aras Workspace Productivity Connector 33

Important

Aras Workspace Productivity Connector relies on Aras Office Connector components in Aras Innovator. Before installing Workspace Productivity Connector, ensure the Office Connector components are applied. Refer to the **Applying the Aras Office Connector AML Package** section of the *Aras Office Connector – Installation Guide*. Also, check the **Aras Support Matrix** to confirm the correct version of Workspace Productivity Connector for your version of Aras Innovator.

You can install Aras Workspace Productivity Connector 33 using either of the following methods:

- **Automated Installation** using the **Aras Update Tool**
- **Manual Installation** using the **Aras Import Tool**

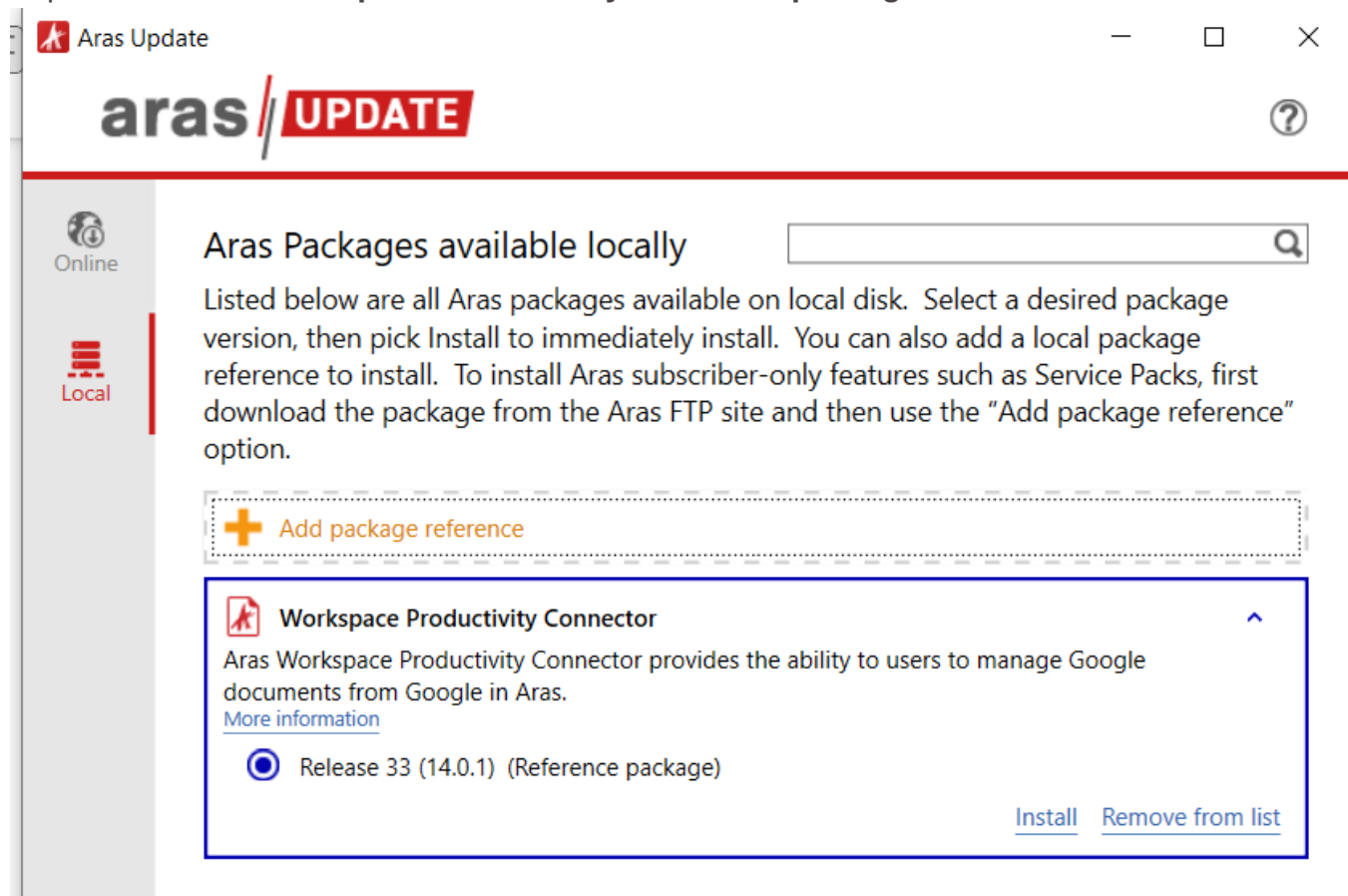
Automated Installation Option

1. Download the **Aras Workspace Productivity Connector 33 CD Image** from the [Aras MFT](#) site and unzip the file on the local computer.
 - Enable the **Super User** login.
 - Launch the **ArasUpdate.exe** file as administrator.

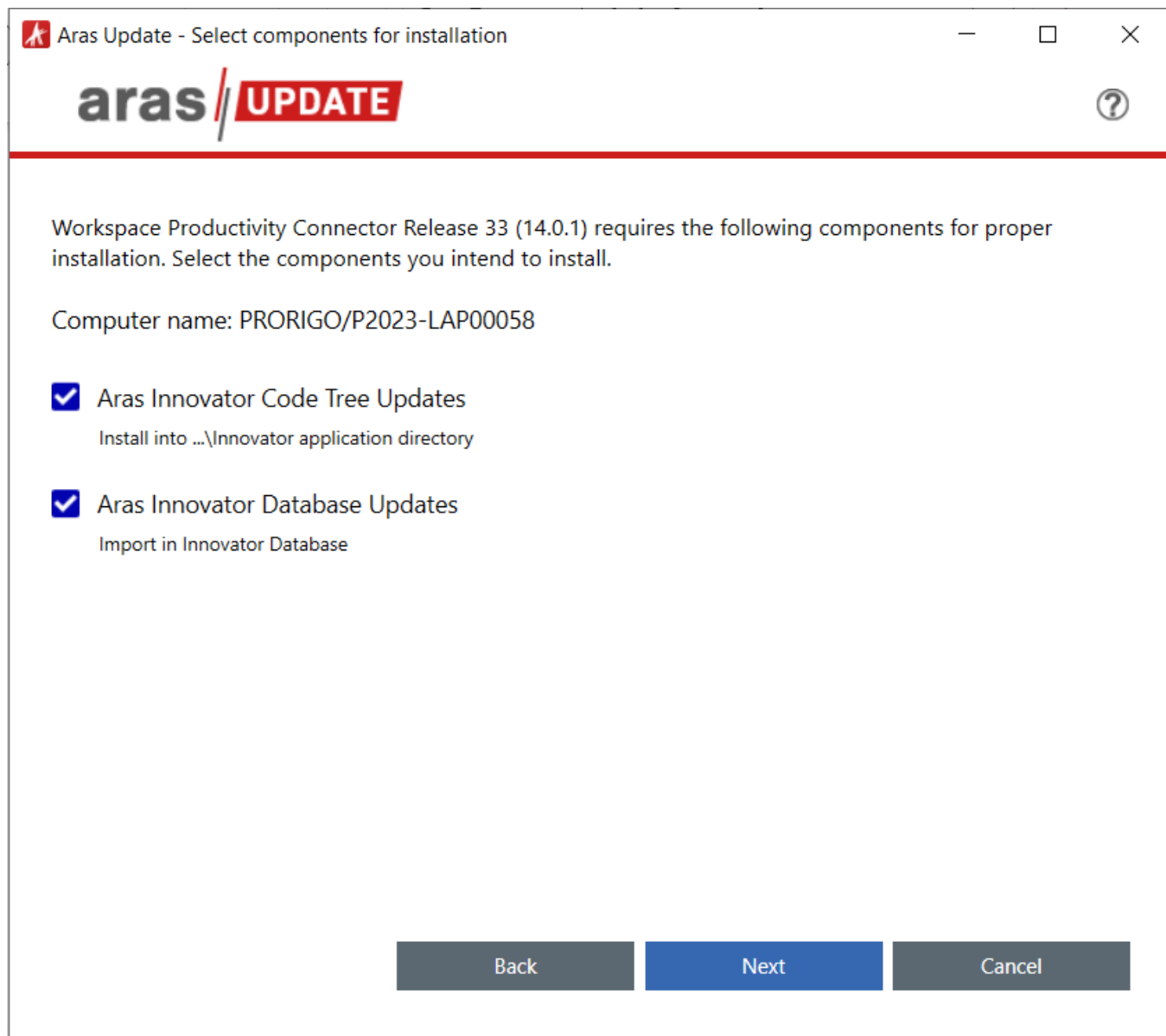


If default options were selected during installation, the **ArasUpdate.exe** file can be found in the **C:\Program Files (x86)\Aras\Aras Update** directory.

2. On the **Local** tab, click **Add package reference** and navigate to the folder where the Aras **WorkspaceProductivity Connector 33 package** was extracted from the first step.
3. Expand the **Aras Workspace Productivity Connectorpackage** and click **Install**.



4. Select **Aras Innovator Code Tree Updates** and **Aras Innovator Database Updates** options and click **Next**.

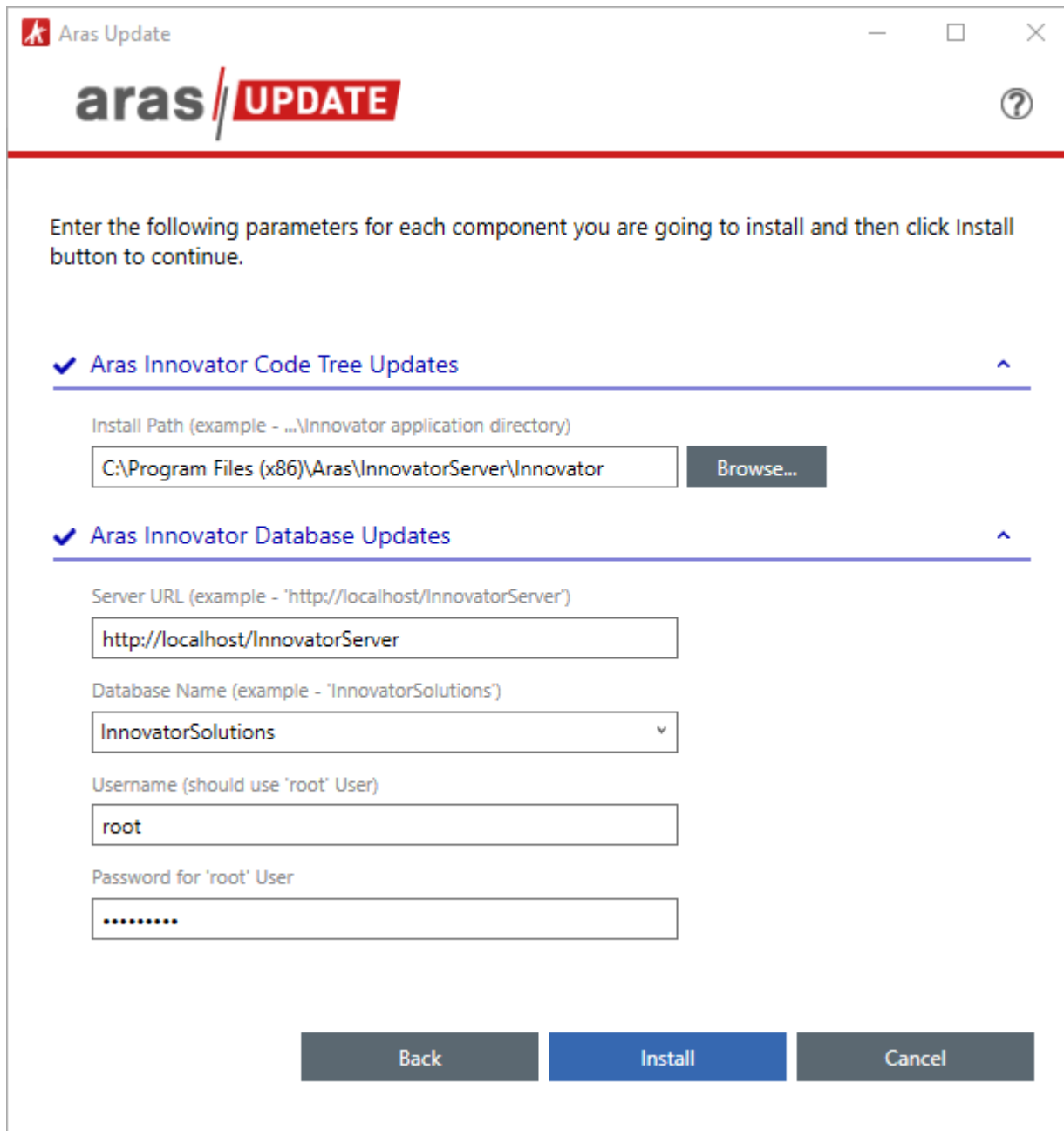


5. Select the **Detailed logging** option and click **Next**.

The logging option records the installation attempt and can be used to troubleshoot issues.



6. Enter the connection information and click **Install**.



The image shows a window titled "Aras Update" with the "aras UPDATE" logo. It contains instructions to enter parameters for installation. There are two sections, both checked with a blue checkmark:

- Aras Innovator Code Tree Updates:** Includes a label "Install Path (example - ...\\Innovator application directory)" and a text box containing "C:\\Program Files (x86)\\Aras\\InnovatorServer\\Innovator". A "Browse..." button is to the right.
- Aras Innovator Database Updates:** Includes several fields:
 - Server URL (example - 'http://localhost/InnovatorServer'): Text box with "http://localhost/InnovatorServer".
 - Database Name (example - 'InnovatorSolutions'): Dropdown menu with "InnovatorSolutions" selected.
 - Username (should use 'root' User): Text box with "root".
 - Password for 'root' User: Password box with masked characters ".....".

At the bottom, there are three buttons: "Back", "Install", and "Cancel".

- **Install Path:** The physical path to the Aras Innovator code tree
- **Server URL:** The connection URL for Aras Innovator
- **Database:** The target Aras Innovator database
- **Username:** root
- **Password:** Password for “root” login (Default is “innovator”)



Aras Update will import everything required for Aras Workspace Productivity Connector 33.

7. After the import is complete, disable the **Super User** login.

Manual Installation Option

1. Download the **Aras Workspace Productivity Connector 33 CD** Image from the [Aras MFT](#) site and unzip the file on the local computer.
2. Copy DLLs from the `..\Files\Innovator\Server\bin` folder to the `Innovator\Server\bin` folder and update `method-config.xml` with following entries:

```
<!-- Workspace Productivity Connector dlls -->

<name>$(binpath)/Prorigo.Plm.Logging.Framework.dll</name>

<name>$(binpath)/Prorigo.Plm.LicensingFramework.dll</name>

<name>$(binpath)/Aspose.Words.dll</name>

<name>$(binpath)/ Prorigo.Plm.OfficeConnector</name>

<name>$(binpath)/Prorigo.Plm.DiscussionPanel.dll</name>
```

3. Copy content from the `..\Files\Innovator\Client` folder to the `Innovator\Client` folder.
4. Use the **Package Import Export Utilities** to import the **Aras Workspace Productivity Connector 33** database package. For more information about using this tool, please see the **Aras Innovator 33 – Package Import Export Utilities** documentation.
 - Enable the **Super User** login to perform this step.
 - Browse to the `\PackageImportExportUtilities\Import\` folder and run the **Import.exe** file as administrator.



5. Enter the following information:

- **Server:** The connection URL for Aras Innovator
- **Database:** The target Aras Innovator database
- **Username:** root
- **Password:** Password for “root” login (Default is “innovator”)
- **Target Release:** WPC33
- **Description:** Aras Workspace Productivity Connector 33
- **Manifest File Path:** \Workspace Productivity Connector 33 CD Image\Imports\imports.mf
- **Available for Import:** Select All Packages
- **Type:** Merge
- **Mode:** Thorough Mode

6. Click the **Import** button.

Configure Aras Workspace Productivity Connector 33 Redirect URL



1. Navigate to the Aras Innovator Code Tree.
2. Open the `/Innovator/0AuthServer/0Auth.config` file for editing.
3. Add a redirect URL for Aras Workspace Productivity Connector under the **redirectUri** section of the file.

```
<redirectUri value='https://${InnovatorURL}Client/Solutions/WorkspaceProductivityConnector'
```

Replace `${InnovatorURL}` with the URL to the Aras Innovator instance being used.

Confirming the Installation

Use the following procedure to check if the database has been updated correctly:

1. Log into Aras Innovator as an administrator.
2. From the **TOC**, expand **Administration** and select **Variables**.
3. Confirm the following variable:

Workspace Productivity Connector

14.0.1

If the installation fails at any time, revert to backups and contact Aras Support at the [Aras Subscriber Portal](#).



Installing the Aras Workspace Productivity Connector 33 Client Component

Aras Workspace Productivity Connector 33 will modify Google Workspace to add the integration components.

Important

A Google account is required for installation.

Installing the Google Workspace Add-In

Enable Google App Script API

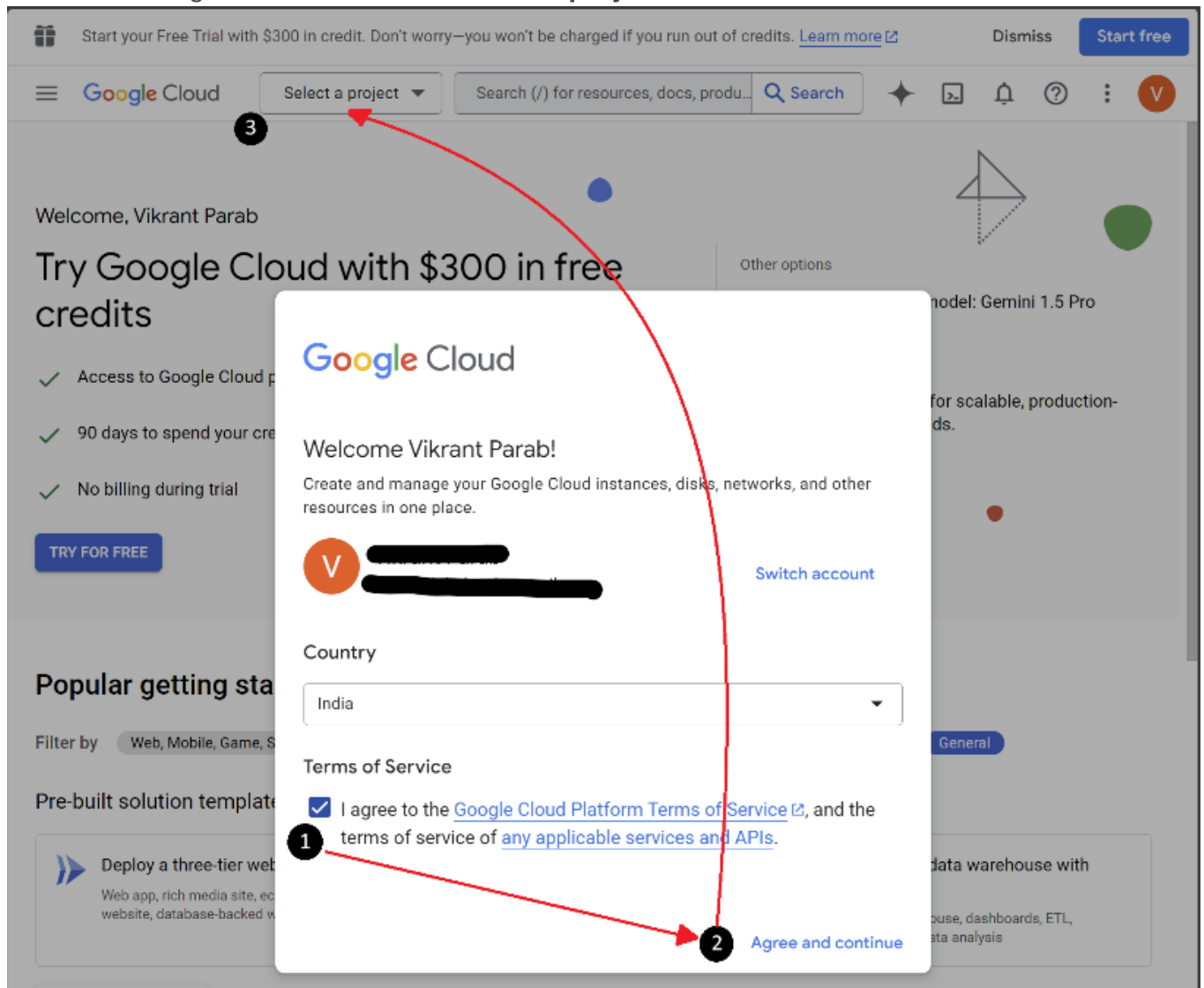
1. Go to [Google Apps Script Settings](#) .
2. Click on Google Apps Script API and enable the toggle.

Create Project in Google Workspace

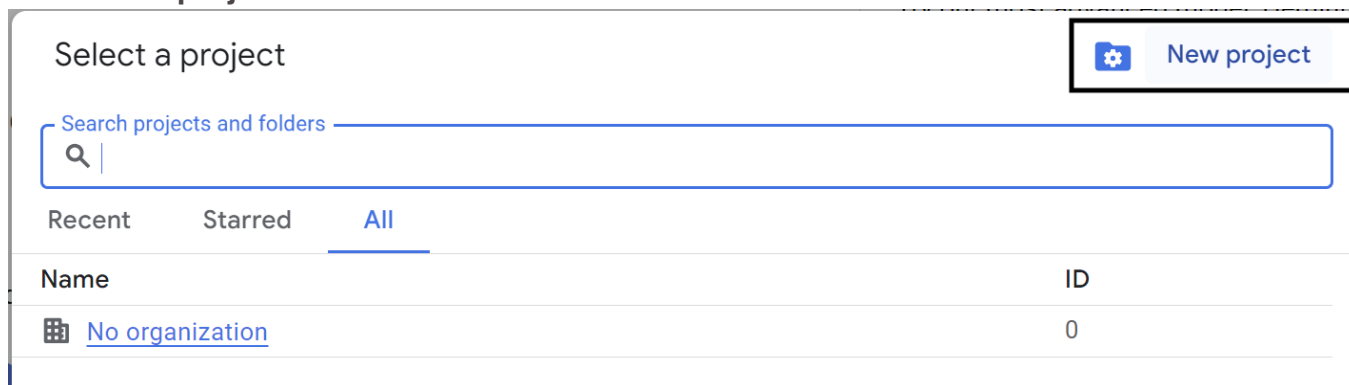
1. Paste this URL in your browser: [Google Cloud Console](#) and you will land on the Google Cloud Project page.
2. Tick the “**I agree...**” checkbox and **click “Agree and Continue”**.



3. Once the dialog is closed, click on **“Select a project”**.



4. Click “**New project**” and name it.



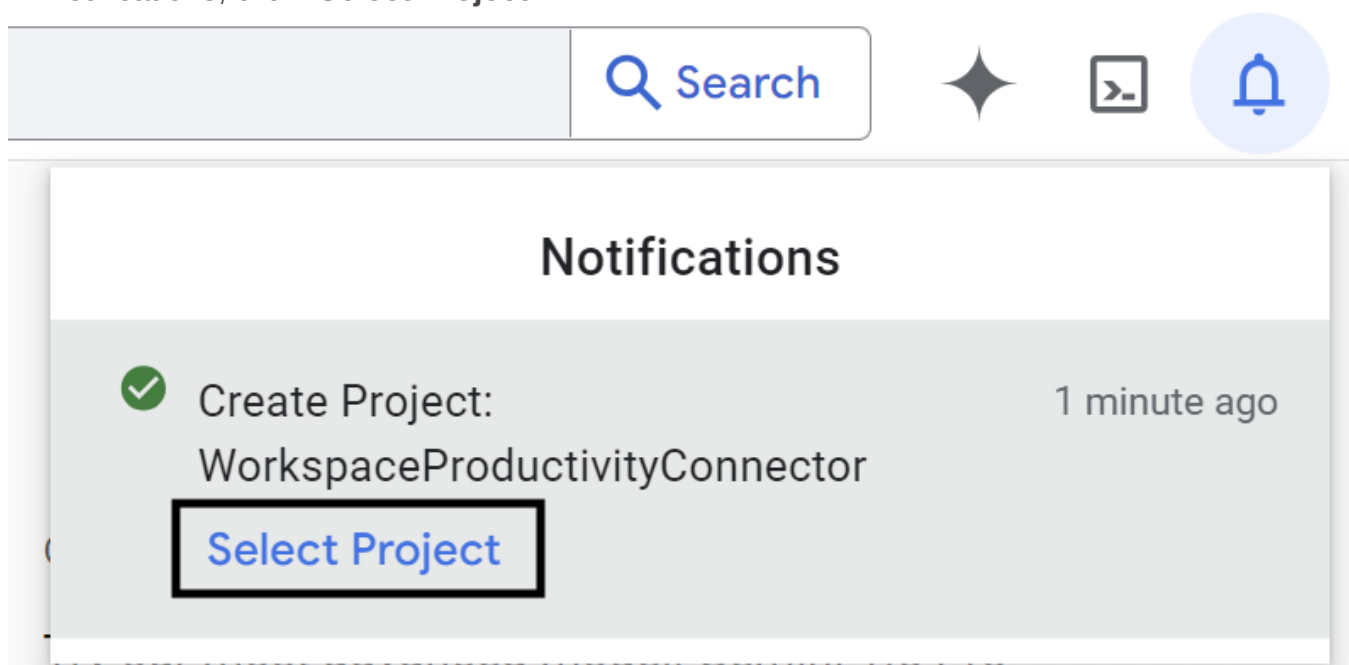
Select a project

Search projects and folders

Recent Starred All

Name	ID
No organization	0

5. In Notifications, click “**Select Project**”.



Search

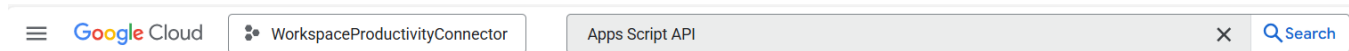
Notifications

✓ Create Project: WorkspaceProductivityConnector 1 minute ago

Select Project

6. This will take you to the dashboard page of your project.

7. In the search box type “**Apps Script API**” and hit enter. You will see Apps Script API in the list.



Google Cloud WorkspaceProductivityConnector Apps Script API Search

ALL

DOCUMENTATION & TUTORIALS

RESOURCES

MARKETPLACE & APIS

Search results

Showing 22 of 22 results for "Apps Script API".



[Apps Script API](#)

An API for managing and executing Google Apps Script projects.

Type: Marketplace Product

Producer: Google Enterprise API



[Apps Script task | Application Integration](#)

The Apps Script task lets you run Google Apps Script from your integration. Google Apps Script is a rapid application development platform.

Type: Documentation

8. Select Apps Script API

9. Click on it and click “**Enable**” button.



Apps Script API

[Google Enterprise API](#)

An API for managing and executing Google Apps Script projects.

ENABLE

TRY THIS API [↗](#)





Apps Script API

Manages and executes Google Apps Script projects.

By Google Enterprise API ?

Service name	Type	Status
script.googleapis.com	Public API	Enabled

10. For each of the APIs listed below, repeat steps 8 and 9, replacing “Apps Script API” with the corresponding API name:
- null Google Docs API
 - null Google Sheets API
 - null Google Slides API
 - null Google Drive API

Workspace Connector Package Deployment on Google

PreSetup

1. Open the **WorkspaceConnectorDeploymentPackage** from the Release Package into Windows Explorer
2. Copy the directory path and open PowerShell window in administrator mode.
3. Navigate to the copied path using following command

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> cd <%copied_path%>
```

4. Run the following command in the PowerShell window to install npm packages: **npm install**
5. Run the following command in the PowerShell window to login to your Google account: **npm run login**
 - This will generate an authorization link to authorize login account.



- It will open a login screen on the browser.
 - Select an appropriate account to login.
 - It will open a confirmation box. So, click “**Continue**” and the click “**Allow**”.
 - Once login is successful, you will see a success message.
6. Then go back to the command prompt and locate the local path where credentials file named. **clasp.json** is generated.

```
PS D:\MPCDeployment> npm run login
> react-google-apps-script@2.1.1 login
> clasp login

Warning: You seem to already be logged in "globally". You have a ~/.clasp.json
logging in globally..
@ Authorize clasp by visiting this url:
https://accounts.google.com/o/oauth2/v2/auth?access_type=offline&scope=https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fscrip
t.deployments%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fscript.projects%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2F
script.webapp.deploy%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fdrive.metadata.readonly%20https%3A%2F%2Fwww.googleapi
s.com%2Fauth%2Fdrive.file%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fservice.management%20https%3A%2F%2Fwww.googleapi
s.com%2Fauth%2Flogging.read%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email%20https%3A%2F%2Fwww.googleapi
s.com%2Fauth%2Fuserinfo.profile%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform%20response_type=code&client_id=
1072944905499-vm2v2i5dvn0a0d2o4ca3611vge8cvbr0.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A56307

PS D:\MPCDeployment>

Default credentials: Your local path for clasp.json
```

7. Copy that file and paste it at the root level of the package (in case already exists then overwrite it).

Project setup at Google

Execute the following command from PowerShell (current directory path is the same as selected in the previous step): **npm run setup**

1. This will create a standalone script in Google Cloud.
2. To verify, navigate to [My Projects - Apps Script \(google.com\)](https://console.cloud.google.com/projects) and you will see the project.
3. Click on that project and navigate to “Project Settings”.
4. Locate the **clasp.json** file in the **dist** folder of the packages and copy this file in the root folder of the package.



IDs

IDs are the unique identifiers of your Apps Script project.

Script ID	17eJNQDdcHqOLVVtowCgYiVKrkTByBhy0iOHaLsJV6N-phPKHbFTqEkP3
	 Copy

5. From Project settings, click on “**Change Project**” button.
6. It will open a section which contains steps. In **Step 1**, click “**here**”.

Change your Google Cloud Platform project

Step 1. Choose or create a new Google Cloud Platform project [here](#).
Remember to set up your OAuth Scope after creating your project.

7. This will take you to the Project dashboard created earlier.
8. From the project Info card, copy “**Project Number**” and move back to step 4 above where there will be an input in step 10 to insert “**GCP Project Number**” and click on “**Set Project**” button.
9. It will give you the following error.

Step 2. Enter the Google Cloud Platform project number below. When you set a new project:

- All user authentications for your old project will be permanently revoked.
- You will not be able to revert to an Apps Script-managed project.
- You must turn on the corresponding advanced service APIs in the new cloud project.

GCP project number

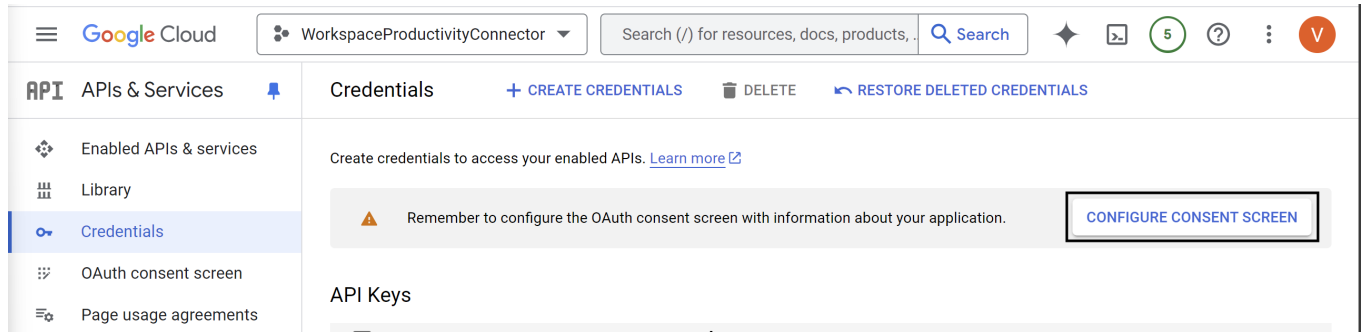
876535707851

Set project

In order to change your project, you will need to configure the OAuth consent screen.
Configure your [OAuth Consent details](#)

10. Click on “OAuth Consent details” link and it will take you to Credentials page. Click on “**Configure Consent Screen**”.





11. Click **Get Started**.

12. Enter the App Name as “Workspace Productivity Connector” and the context user email ID as email and click **Next**.

Google Cloud

WorkspaceProductivityConnector

Search (/) for resources, docs, products, and n

Google Auth Platform / Overview / Create branding

Open project picker (Ctrl O)

Overview

Branding

Audience

Clients

Data Access

Verification Center

Project configuration

1 App Information

App name *

The name of the app asking for consent

User support email *

For users to contact you with questions about their consent. [Learn more](#)

Next

2 Audience

3 Contact Information

4 Finish

Create

Cancel

- Select User Type based on your preference and click on “**Create**”. For Organizational deployment select user type as **Internal**.

User Type

☒ **Internal** ?

Only available to users within your organization. You will not need to submit your app for verification. [Learn more about user type](#)

☐ **External** ?

Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

14. Fill out the contact information and click **Next**.

15. Select the checkbox and click **Continue**.

16. Click **Create**.

17. If you missed any configuration during setup, you can return to this screen anytime by visiting the [OAuth consent screen settings](#).

18. Go to **Data Access**

19. Click on **Add or remove scopes** and add the following scopes under the **Manually add Scope** section:

- <https://www.googleapis.com/auth/script.container.ui> ,
- <https://www.googleapis.com/auth/documents.currentonly> ,
- <https://www.googleapis.com/auth/documents> ,
- <https://www.googleapis.com/auth/presentations> ,



- <https://www.googleapis.com/auth/spreadsheets> ,
- https://www.googleapis.com/auth/script.external_request ,
- <https://www.googleapis.com/auth/drive.readonly> ,
- <https://www.googleapis.com/auth/drive> ,
- <https://www.googleapis.com/auth/drive.addons.metadata.readonly> ,
- <https://www.googleapis.com/auth/drive.file> ,
- <https://www.googleapis.com/auth/forms> ,
- <https://www.googleapis.com/auth/forms.currentonly>

- Click on **Add to table**
- Click on **Update**
- Scroll down and click **Save**

Your restricted scopes

Restricted scopes are scopes that request access to highly sensitive user data.

Drive scopes

API ↑	Scope	User-facing description	
	.../auth/drive	See, edit, create, and delete all of your Google Drive files	
	.../auth/drive.readonly	See and download all your Google Drive files	

Save

Discard changes



- Click on **Audience** (This step is required only if the user type is set to *External*.)

- Click **Add Users**
- Enter the user email ID
- Click **Save**

20. Scroll down to the bottom of the page and click “Back to Dashboard”

21. Click **Set Project**

Project Deployment at Google

Open PowerShell again and make sure the current directory is set to the workspace deployment package path. Then, follow these steps:

- Run this command to install the tool needed to push your code to Google Apps Script:

```
npm install @google/clasp
```



2. Update the deployment HTML file:

- Navigate to: `WorkspaceConnectorDeploymentPackage\dist\sidebar-index-page.html` .
- Open the `.html` file in **Notepad++**.
- Find the token `<%INNOVATOR_BASE_URL%>` .
- Replace it with your actual **Innovator instance URL**.
- Save the file.

3. Run this command to push your build on the specified script in your Google project:**npx clasp push**

4. **Verify deployment:**

- Open the **Google Apps Script project**.
- Go to the **Project History** section.
- Ensure all project files and code are present, as shown below:

Files	Current version
appscript.json	1 {
code.gs	2 "timeZone": "America/New_York",
sidebar-index-page.html	3 "dependencies": {},
	4 "exceptionLogging": "STACKDRIVER",
	5 "oauthScopes": [
	6 "https://www.googleapis.com/auth/script.container."

5. Click **“Deploy”** from the top-right corner of the Google AppScripts Project

- Select **“New Deployment”** from the dropdown menu.
- In Select Type choose the **Add-On**, enter the name in the description field and click **“Deploy”**.

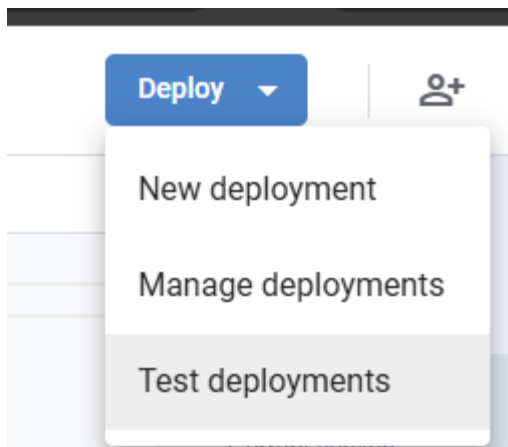


New deployment

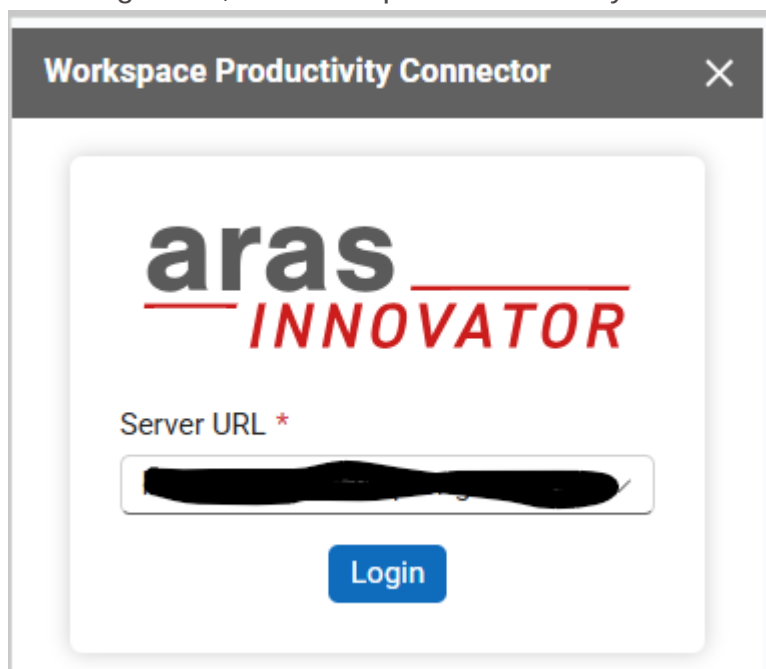
Select type 	Configuration 
Add-on	Description New description Deployment1 Add-on Application(s): Sheets, Docs, Slides Add-ons can be published from Google Workspace Marketplace post deployment. Learn more This can also be used as a library. Learn more

[Cancel](#) [Deploy](#)

6. From the “Deploy” dropdown, click “Test Deployments”. (This step is required for External user type. Internal users should follow the Marketplace deployment steps outlined in the next section.

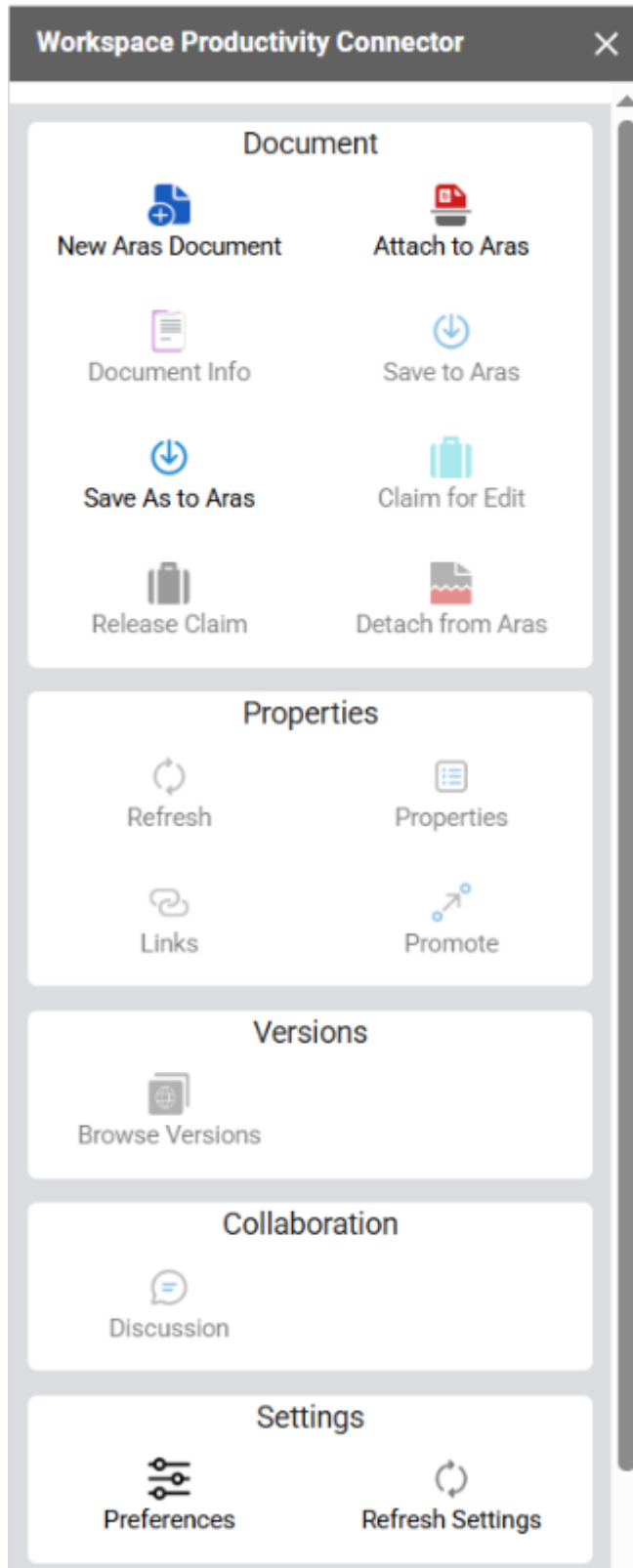


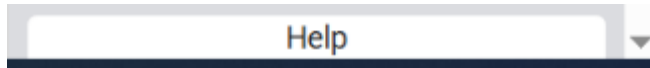
- Click **"Install"** on the dialog.
- Click **"Done"**.
- Open any Google Doc, Sheet, or Slide. In the bottom-right corner, click the arrow icon. This will open the sidebar, where you'll see the new "Aras" add-on.
- Click on the Aras add-on. You'll see the **Google Authorization task pane**. Click on it and sign in with your Google account. The first time, you'll need to grant access.
- Once signed in, the Workspace Productivity Connector login task pane will appear.



- Once you login into your Innovator all the commands will be visible on task pane.

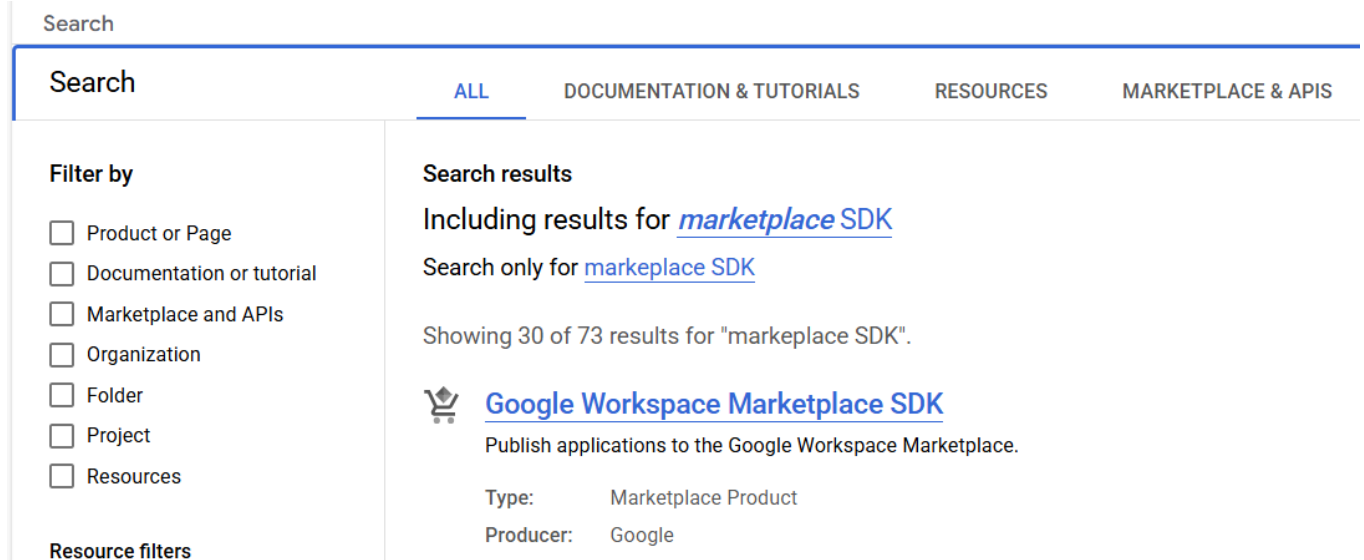




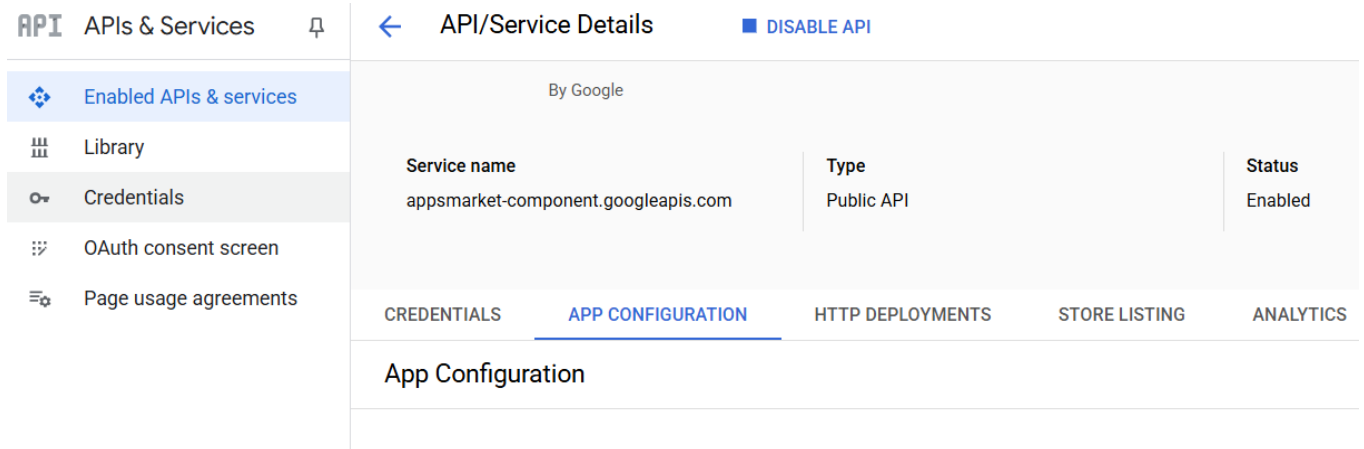


Organizational Setup

- Search for “Marketplace SDK” and enable it.



- Go to **App Configuration**.



- Configure the following steps:
 - App Visibility:** Set to Private
 - Installation Settings:** Select the options as required
 - App Integrations:** Choose Google Workspace add-on and paste the Deployment ID from the Project Managed Deployment section.



Manage deployments

Active

Google Marketplace...

Archived

No archived deployments

Configuration

Version

Version 1 on Jul 7, 2025, 8:53 AM

Description

Google Marketplace Test Deployment

Deployment ID

AKfycbzz8uMvYtVAT5CROABgclJOOrTeDhfxXusag2cZkQABanxPAnR2PvrhZU1qDitlu...

Copy

Library

URL

https://script.google.com/macros/library/d/1PInFzyv3RCrZFhsxG9UERpsL_8dut-_wz...

Copy

Cancel

Deploy

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60

App Configuration

Choose the app framework your app or add-on is designed to work with as a third-party service. See [List app integrations together](#) to learn more.

- ☒ **Google Workspace add-on**
Integrates your app with Gmail, Calendar, Drive, and/or Meet Google Workspace services. Your deployment ID will identify all the Google Workspace services your app supports.
- ☐ **Apps Script**
Provide the Apps Script deployment ID below.
- ☐ **HTTP or other deployments**
Specify the endpoint information in the HTTP Deployment tabs, and select the Deployment ID below.

Deployment ID *

AKfycbzz8uMvYtVAT5CROABgcIJOrfTeDhfxXusag2cZkQABanxPAnR2PvrhZU1qDitlu6



- Select the applications for which this add-on is applicable.

Docs add-on Project Script ID *

1kywul81eio3j-XEPv9qX0lxPBmo2LI0tNr7wNE6AkG7QjZc05X0TeVrt

Docs add-on script version *

1



Sheets add-on

Lists your add-on for Sheets in the Google Workspace Marketplace.

Sheets add-on Project Script ID *

1kywul81eio3j-XEPv9qX0lxPBmo2LI0tNr7wNE6AkG7QjZc05X0TeVrt

Sheets add-on script version *

1



Slides add-on

Lists your add-on for Slides in the Google Workspace Marketplace.

Slides add-on Project Script ID *

1kywul81eio3j-XEPv9qX0lxPBmo2LI0tNr7wNE6AkG7QjZc05X0TeVrt

Slides add-on script version *

1

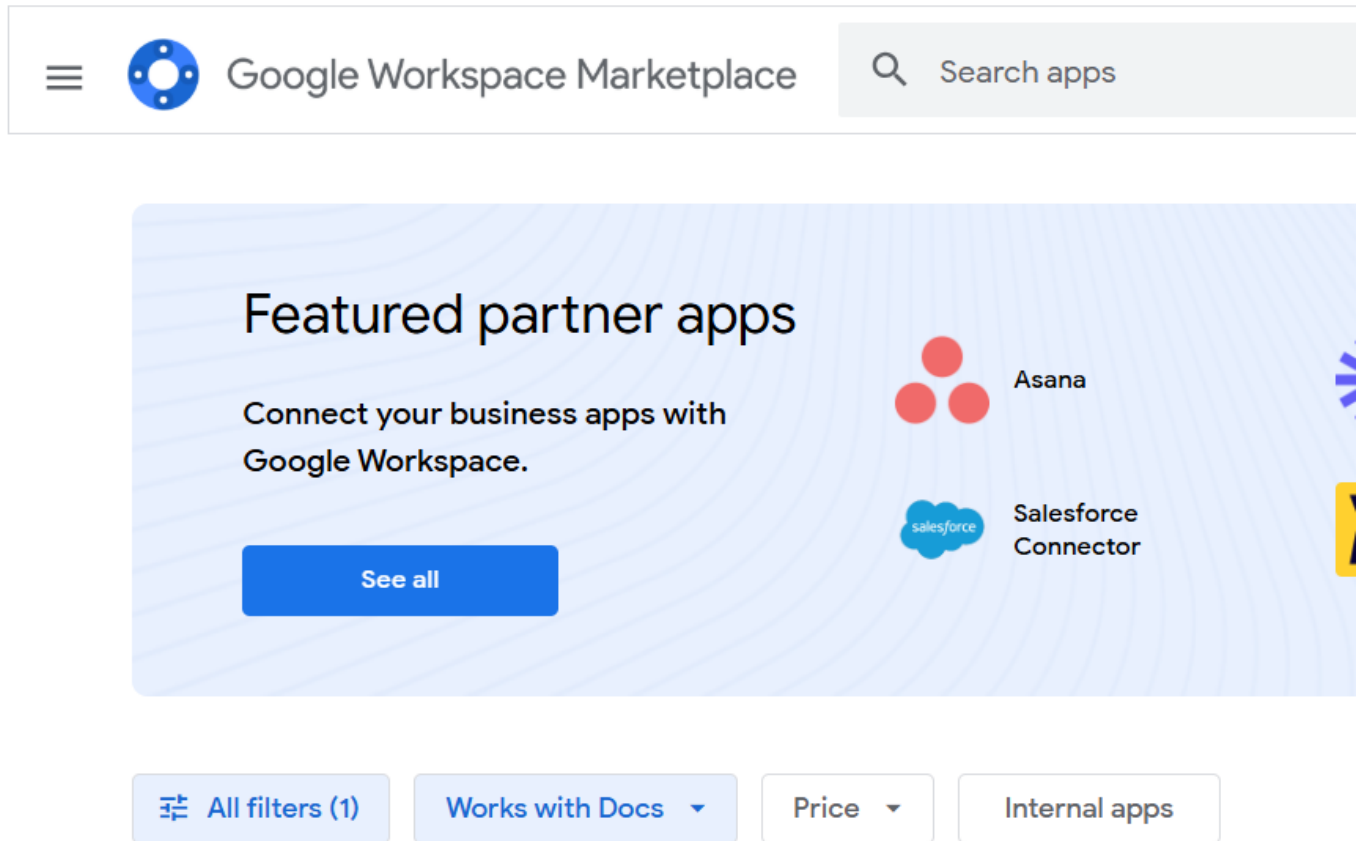
- Fill in Developer information section.
- Click on **Save Draft**.

- Go to **Store Listing**.

Fill in the required details and publish the app. Once it's published, the app will appear in the



"Internal Apps" section on the "Get Add-ons" page.



- Click on it and search for "Workspace". If the add-on is not already installed, you'll be prompted to install it. If it is already installed, it will be shown as such.



Workspace Producti...

Workspace Productivity Connector

By: [Snehal](#)
Listing updated: July 8, 2025

Admin install

Individual install

Works with:

No reviews ⓘ No users

- Overview
- Permissions
- Reviews

Status Report

File Edit View Insert Format Data Tools Extensions Help

100%

Default

Share

Project Taskset	Task	Priority	Owner	Status	Start date	End date	Milestone	Deliverable	Notes
1	Task	High	A Name	New assigned	m/0/ypg	m/0/ypg	Milestone	2 File	Action
2	Task	High	A Name	In progress	m/0/ypg	m/0/ypg	Milestone	2 File	Action
3	Task	High	A Name	Blocked	m/0/ypg	m/0/ypg	Milestone	2 File	Action
4	Task	High	A Name	Completed	m/0/ypg	m/0/ypg	Milestone	2 File	Action
5	Task	High	A Name	Completed	m/0/ypg	m/0/ypg	Milestone	2 File	Action

Document

New Doc Document

Attach to Doc

Open from Linked Item

Document Info

Save to Doc

Save and generate PDF



- On click of “**Admin Install**” and complete the setup.
-

 Workspace Productivity Conn... 
has been installed!

You have successfully installed a Google Workspace Add-on.

Workspace Productivity Connector has been added to your Docs, Sheets and Slides sidebar.



DONE

Release Notes



Platform Support Matrix

To use the Aras Workspace Productivity Connector 33, you'll need a few things installed:

Aras Innovator Release Client Operating System Browser

33	34	35	- Windows: 8.1, 10, 11 - macOS 15 Sequoia - Chrome 135 (minimum) - Edge - Firefox: 115 ESR and 128 ESR
----	----	----	--



Key Features and Known Issues

Key Features in Aras Workspace Productivity Connector 33

The following key features are available in this initial release of the Aras Workspace Productivity Connector application:

Support for Google Docs, Sheets and Slides on Aras Innovator R33

Aras Workspace Productivity Connector provides a convenient way to manage Google Workspace documents in Aras directly from the user interface of Workspace.

Support for Base Document Type

The Workspace Productivity Connector allows support for Document ItemTypes without a classification, also known as Base Document Types. This enhancement is useful when defining Property Mappings and Valid Linked Items that apply broadly across multiple document types, reducing redundancy in your configuration setup.

Support to Create a Document using Existing Template from Aras

The Workspace Productivity Connector now allows support for creating templates that can exist throughout the organization, including administrators, document control staff, and end users.

Support the Authoring Tool for Google Docs, Sheets and Slides

The Workspace Productivity Connector introduces the new Authoring tool Google Docs, Google Sheets and Google Slides, and they should control which Workspace application the template will be used for.

Support to open the Google Docs, Sheets and Slides from Aras

The Workspace Productivity Connector supports the ability to open the doc/sheet/slides in the new tab after creating a Document.

Support to Discussion Panel



Known Issues in Aras Workspace Productivity Connector 33

Issue #	Description	Workaround
I-071080	Workspace Add-on Sidebar intermittent runtime error on re-open	



SaaS Installation Guide



Overview

This document provides step-by-step instructions for installing the Aras Workspace Productivity Connector 33, which integrates Aras Innovator with Google Workspace, for Aras DevOps and Aras Enterprise subscribers. While the steps are designed to guide a novice administrator through the installation, a general understanding of system administration, network deployment, and Aras Innovator administration is recommended.

To complete the installation of Aras Workspace Productivity Connector 33, follow these steps:

1. Install **Aras Innovator**.
2. Install **Aras Workspace Connector components** in Aras Innovator.
3. Install **Aras Workspace Productivity Connector 33 components** to Google Workspace.

Important

The following procedures assume a fresh installation of both Google Workspace and Aras Innovator. If you're working with a customized instance of either product, contact the vendor for support.

If the installation fails at any time, revert to backups and contact Aras Support at support@aras.com.



Aras Workspace Productivity Connector Installation

Aras Workspace Productivity Connector is a platform component installed after Aras Innovator. Before installing Aras Workspace Productivity Connector, it is important to notify users that Aras Innovator will experience downtime. Additionally, it is important to create backups for the Aras Innovator code tree and database. Store these backup files securely, as they will be necessary for restoring the system to its pre-installation state if installation fails.

Installing Aras Workspace Productivity Connector 33

Important

Aras Workspace Productivity Connector relies on Aras Office Connector components in Aras Innovator. Before installing Workspace Productivity Connector, ensure the Office Connector components are applied. Refer to the **Applying the Aras Office Connector AML Package** section of the *Aras Office Connector – Installation Guide*. Also, check the **Aras Support Matrix** to confirm the correct version of Workspace Productivity Connector for your version of Aras Innovator.

1. Download the **Aras Workspace Productivity Connector 33 CD Image** from the [Aras MFT](#) site and unzip the file on the local computer.
2. Navigate to the `\Files\` folder of the Aras Workspace Productivity Connector 33 CD Image.
3. Copy the contents of the `Innovator` folder into the `\CodeTree\Innovator\` folder of the `Work.git` repository.
4. Update `method-config.xml` with following entries:

```
< name > $(binpath)/Prorigo.Plm.Logging.Framework.dll</name> < name >
$(binpath)/Prorigo.Plm.LicensingFramework.dll</name> < name >
$(binpath)/Aspose.Words.dll</name> < name > $(binpath)/Prorigo.Plm.OfficeConnector.dll</name>
< name > $(binpath)/Prorigo.Plm.DiscussionPanel.dll</name>
```

1. Copy the contents, except the `imports.mf` file, from the `..\Imports\..` folder into the `AML-packages` folder of the `Work.git` repository.

Important

Do not copy the `imports.mf` file, as it will overwrite the existing `imports.mf` file in the `Work.git` repository.



2. Open the `..\Imports\imports.mf` file.
3. Copy the following `<package>` elements:

```
<package name="MSO_StandardOnline" path="MSO_StandardOnline\Import"> <dependson
name="MSO_Standard" /> <dependson name="MSO_References" /> <dependson
name="MSO_Defaults" /> </package> <package name="MSO_StandardOnlineDiscussion"
path="MSO_StandardOnlineDiscussion\Import"> <dependson name="MSO_StandardOnline" />
</package> <package name="WPC_Standard" path="WPC_Standard\Import"> <dependson
name="MSO_StandardOnline" /> </package>
```

4. Paste the `<package>` elements into the `imports.mf` file of the `work.git` repository.
5. Stage and review the changes to ensure that no customizations are overwritten.
6. Commit the changes.
7. Run the continuous-integration Pipeline.
8. Run the deploy-innovator Pipeline to complete the installation.

Confirming the Installation

Use the following procedure to check if the database has been updated correctly:

1. Log in to Aras Innovator as an administrator.
 1. From the **TOC**, expand **Administration** and select **Variables**.
 2. Confirm the following variable:

Workspace Productivity Connector
14.0.1

Installing the Google Workspace Add-On

Aras Workspace Productivity Connector 33 will modify Google Workspace to add the integration components.

Important

If you don't have a Google account, create one and sign in. If you already have one, just sign in.

Installing the Google Workspace Add-On

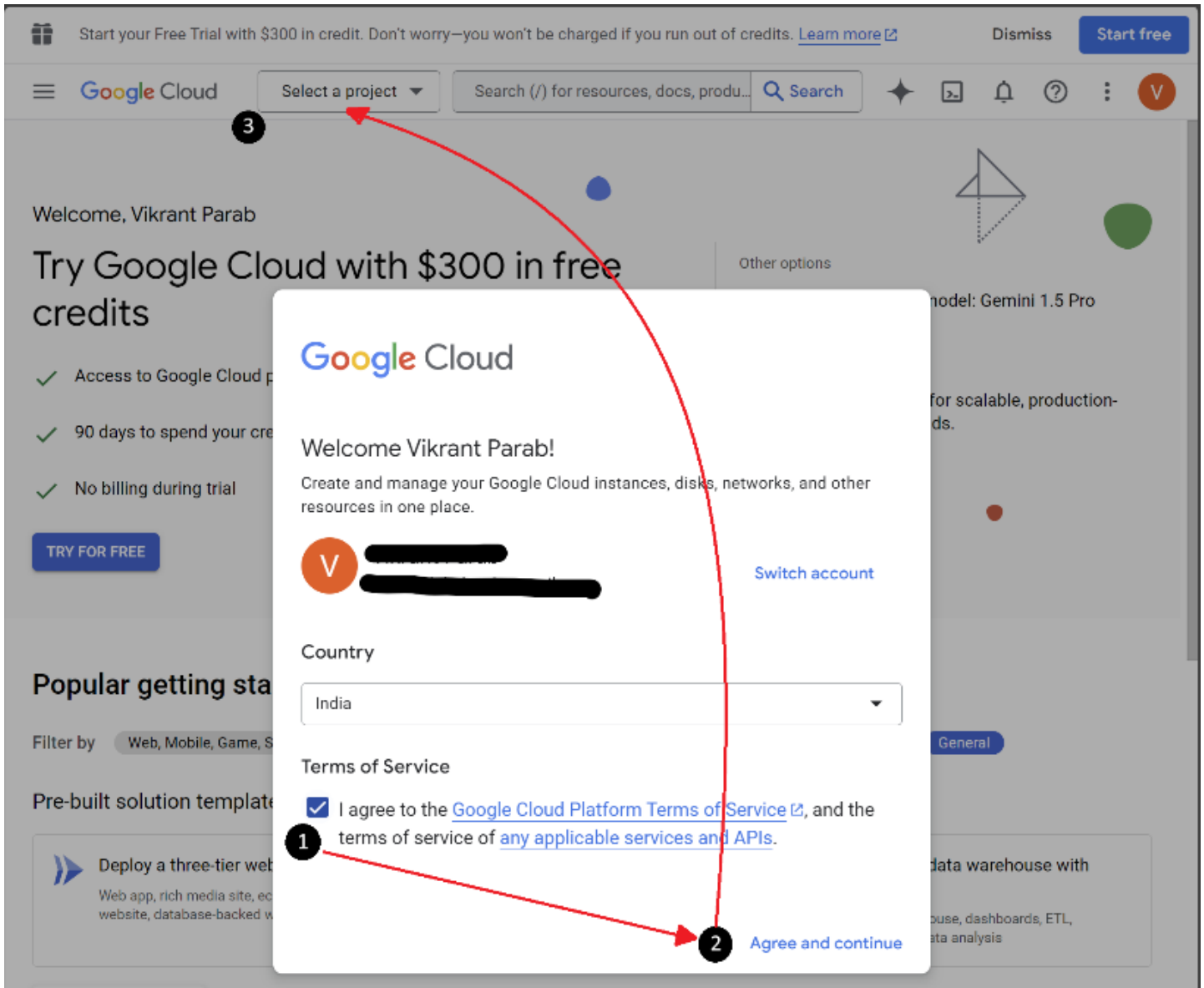
Enable Google App Script API

1. Go to [Google Apps Script Settings](#) .
2. Click on Google Apps Script API and enable the toggle.

Create Project in Google Workspace

1. Paste this URL in your browser: [Google Cloud Console](#) and you will land on the Google Cloud Project page.
2. Tick the “I agree...” mark and **click “Agree and Continue”**.
3. Once the dialog is closed, click on **“Select a project”**.





4. Click “New project” and name it.



Select a project

 New project

Search projects and folders



Recent

Starred

All

Name	ID
 No organization	0

5. In Notifications, click “**Select project**”.

 Search





Notifications



Create Project:

WorkspaceProductivityConnector

1 minute ago

Select Project

6. This will take you to the dashboard page of your project.

7. In the search box type “**Apps Script API**” and hit enter. You will see App Script API in the list.

Google Cloud

WorkspaceProductivityConnector

Apps Script API


 Search



ALL

DOCUMENTATION & TUTORIALS

RESOURCES

MARKETPLACE & APIS

Search results

Showing 22 of 22 results for "Apps Script API".



[Apps Script API](#)

An API for managing and executing Google Apps Script projects.

Type: Marketplace Product

Producer: Google Enterprise API



[Apps Script task | Application Integration](#)

The Apps Script task lets you run Google Apps Script from your integration. Google Apps Script is a rapid application development platform.

Type: Documentation

8. Select Apps Script API
9. Click on it and click “**Enable**” button.





Apps Script API

[Google Enterprise API](#)

An API for managing and executing Google Apps Script projects.

ENABLE

TRY THIS API



Apps Script API

Manages and executes Google Apps Script projects.

By Google Enterprise API

Service name	Type	Status
script.googleapis.com	Public API	Enabled

10. For each of the APIs listed below, repeat steps 8 and 9, replacing “Apps Script API” with the corresponding API name:

(see below) Google Docs API



(see below) Google Sheets API





(see below) Google Slides API



(see below) Google Drive API



Workspace Connector Package Deployment on Google

PreSetup

1. Open the **WorkspaceConnectorDeploymentPackage** from the Release Package into Windows Explorer
2. Copy the directory path and open PowerShell window in administrator mode.
3. Navigate to the copied path using following command



```

Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> cd <%copied_path%>

```

4. Run the following command in the PowerShell window to install npm packages: **npm install**
5. Run the following commands in the PowerShell window to login to your Google account: **npm run login**
 - This will generate an authorization link to authorize login account.
 - It will open a login screen on the browser.
 - Select an appropriate account to login.
 - It will open a confirmation box. So, click “**Continue**” and the click “**Allow**”.
 - Once login is successful, you will see a success message.
6. Then go back to the command prompt and locate the local path where credentials file named **clasp.json** is generated.

```

PS D:\WPCDeployment> npm run login
> react-google-apps-script@2.1.1 login
> clasp login

Warning: You seem to already be logged in "globally". You have a ~/.clasp.json
logging in globally..
@ Authorize clasp by visiting this url:
https://accounts.google.com/o/oauth2/v2/auth?access_type=offline&scope=https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fscrip
t.deployments%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fscript.projects%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2F
script.webapp.deploy%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fdrive.metadata.readonly%20https%3A%2F%2Fwww.googleapi
s.com%2Fauth%2Fdrive.file%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fservice.management%20https%3A%2F%2Fwww.googleapi
s.com%2Fauth%2Flogging.read%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email%20https%3A%2F%2Fwww.googleapis
.com%2Fauth%2Fuserinfo.profile%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&client_id=
1072944905499~vm2v215dvn0a0d204ca3611vge8civr0.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A56307

PS D:\WPCDeployment>
Default credentials> Your local path for clasp.json

```

7. Copy that file and paste it at the root level of the package (in case already exists then overwrite it).

Project setup at Google

Execute the following command from PowerShell (current directory path is the same as selected in the previous step): **npm run setup**

1. This will create a standalone script in Google Cloud.
2. To verify navigate to [My Projects - Apps Script \(google.com\)](https://console.cloud.google.com/apps/script) and you will see project.



3. Click on that project and navigate to “Project Settings”.
4. Locate the **clasp.json** file in the dist folder of the packages and move this file in the root folder of the package.

IDs

IDs are the unique identifiers of your Apps Script project.

Script ID	17eJNQDdcHqOLVVtowCgYiVKrkTByBhy0iOHaLsJV6N-phPKHbFTqEkP3
	 Copy

5. From Project settings, click the “**Change Project**” button.

It will open a section which contains steps. In Step 1, click “here”.

Change your Google Cloud Platform project

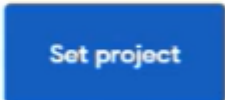
Step 1. Choose or create a new Google Cloud Platform project [here](#).
Remember to set up your OAuth Scope after creating your project.

6. This will take you to the Project dashboard created earlier
7. In the Project Info card, copy the **Project Number**. Then go back to **step 4** and paste it into the field in **step 10** labeled **GCP Project Number**, and click the **Set Project** button.
8. It will give you the following error.

Step 2. Enter the Google Cloud Platform project number below. When you set a new project:

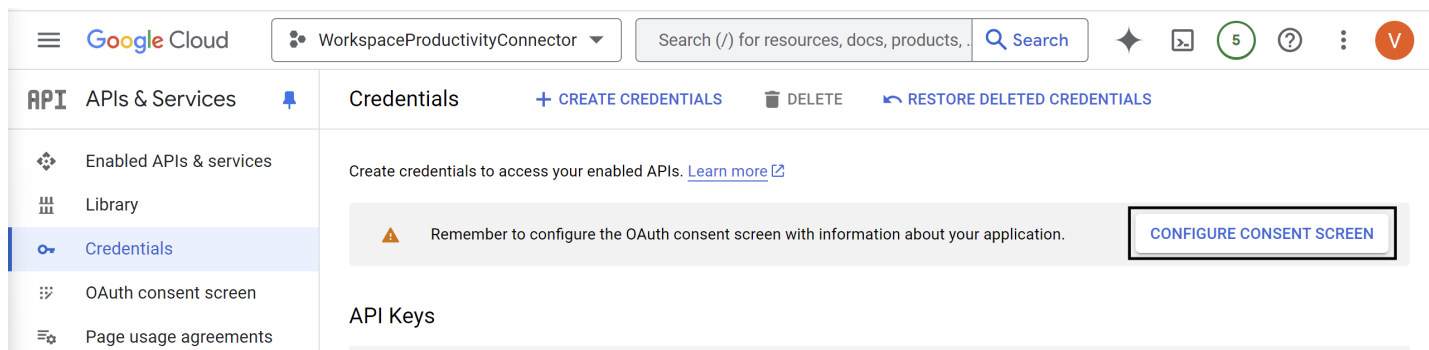
- All user authentications for your old project will be permanently revoked.
- You will not be able to revert to an Apps Script-managed project.
- You must turn on the corresponding advanced service APIs in the new cloud project.

GCP project number



In order to change your project, you will need to configure the OAuth consent screen.
Configure your [OAuth Consent details](#)

9. Click on “OAuth Consent details” link and it will take you to Credentials page. Click on **“Configure Consent Screen”**.



10. Click **Get Started**.
11. Enter App Name as “Workspace Productivity Connector” and context user email id as email and click **Next**.

Google Cloud

WorkspaceProductivityConnector

Search (/) for resources, docs, products, and more

Google Auth Platform / Overview / Create branding

Open project picker (Ctrl O)

Overview

Branding

Audience

Clients

Data Access

Verification Center

Project configuration

1 App Information

App name *

The name of the app asking for consent

User support email *

For users to contact you with questions about their consent. [Learn more](#)

Next

2 Audience

3 Contact Information

4 Finish

Create

Cancel

12. Select User Type based on your preference and click on “**Create**”. For Organizational deployment select user type as **Internal**.

User Type

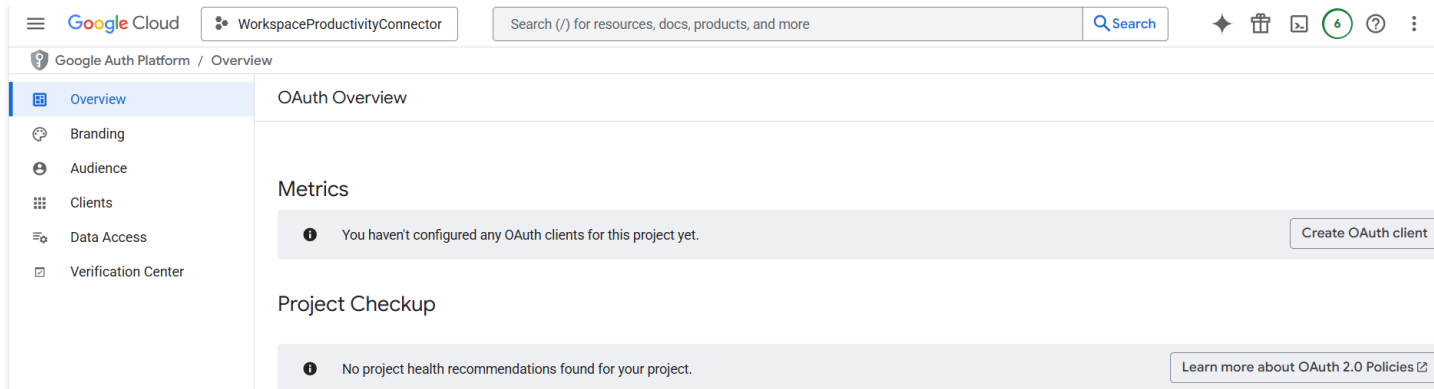
☒ Internal ?

Only available to users within your organization. You will not need to submit your app for verification. [Learn more about user type](#)

☐ External ?

Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

13. Fill out the contact information and click **Next**.
14. Select the checkbox and click **Continue**.
15. After clicking **Create**, your project will be added to the list and visible in the console for further configuration.



16. If you missed any configuration during setup, you can return to this screen anytime by visiting the [OAuth consent screen settings](#).
17. Click on **Data Access**
18. Click **Add or remove scopes** and add the following scopes in the **Manually add Scope** section:

<https://www.googleapis.com/auth/script.container.ui> ,
<https://www.googleapis.com/auth/documents.currentonly> ,
<https://www.googleapis.com/auth/documents> , <https://www.googleapis.com/auth/presentations> ,
<https://www.googleapis.com/auth/spreadsheets> ,
https://www.googleapis.com/auth/script.external_request ,
<https://www.googleapis.com/auth/drive.readonly> , <https://www.googleapis.com/auth/drive> ,
<https://www.googleapis.com/auth/drive.addons.metadata.readonly> ,
<https://www.googleapis.com/auth/drive.file> , <https://www.googleapis.com/auth/forms> ,
<https://www.googleapis.com/auth/forms.currentonly>

- Click on **Add to table**
- Click on **Update**
- Scroll down and click **Save**

Your restricted scopes

Restricted scopes are scopes that request access to highly sensitive user data.

Drive scopes

API ↑	Scope	User-facing description	
	.../auth/drive	See, edit, create, and delete all of your Google Drive files	
	.../auth/drive.readonly	See and download all your Google Drive files	

Save

Discard changes

- Click on **Audience**

Overview

Branding

Audience

Clients

Data Access

Verification Center

Audience

User type

External ?

Make internal

OAuth user cap ?

While publishing status is set to "Testing", only test users are able to access the app. Allowed user cap prior to app verification is 100, and is counted over the entire lifetime of the app. [Learn more](#)

0 users (0 test, 0 other) / 100 user cap ?

Test users

+ Add users

- Click **Add Users**
- Enter the user email ID
- Click **Save**

19. Scroll Down at the bottom of the page and click on "Back to Dashboard"

20. Click on **Set Project**

Project Deployment at Google

Open PowerShell again and make sure the current directory is set to the workspace deployment package path. Then, follow these steps:

1. Run this command to install the tool needed to push your code to Google Apps Script: **npm install @google/clasp**
2. Update the deployment HTML file:



- Navigate to: `WorkspaceConnectorDeploymentPackage\dist\sidebar-index-page.html`
 - Open the `.html` file in **Notepad++**
 - Find the token `<%INNOVATOR_BASE_URL%>`
 - Replace it with your actual **Innovator instance URL**
 - Save the file.
3. Run this command to push your build on the specified script in your Google project: **`npx clasp push`**
4. **Verify deployment:**
- Open the **Google Apps Script project**.
 - Go to the **Project History** section.
 - Ensure all project files and code are present, as shown below:

Files	Current version
<code>appsscript.json</code>	
<code>code.gs</code>	
<code>sidebar-index-page.html</code>	
	<pre> 1 { 2 "timeZone": "America/New_York", 3 "dependencies": {}, 4 "exceptionLogging": "STACKDRIVER", 5 "oauthScopes": [6 "https://www.googleapis.com/auth/script.container.</pre>

5. Click the **“Deploy”** Button from the top-right corner of the Google AppScripts Project
- Select **“New Deployment”** from the dropdown.
 - Select Type choose the **Add-On**, enter the name in the description field and click **“Deploy”**.



New deployment

Select type

⚙️

Configuration

?

Add-on

Description

New description

Deployment1

Add-on

Application(s): Sheets, Docs, Slides

Add-ons can be published from Google Workspace Marketplace post deployment.

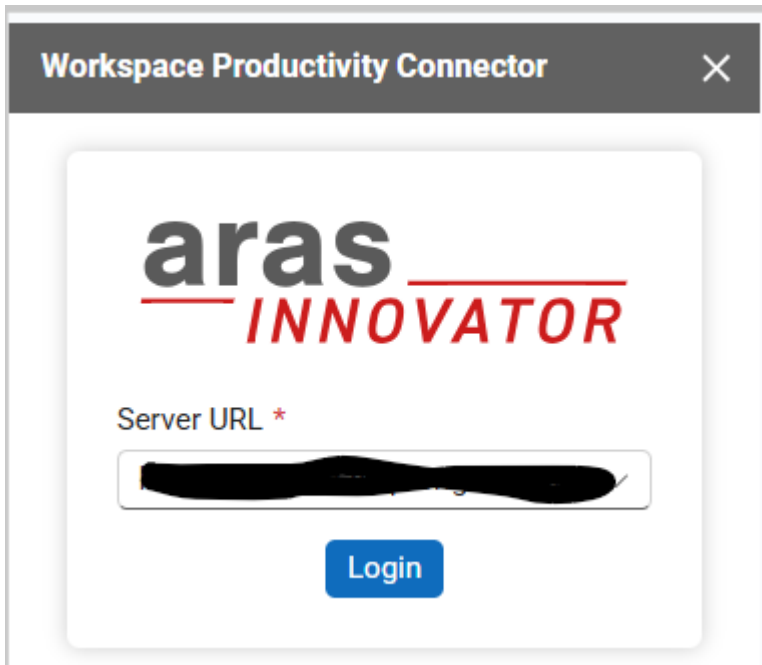
[Learn more](#)

This can also be used as a library. [Learn more](#)

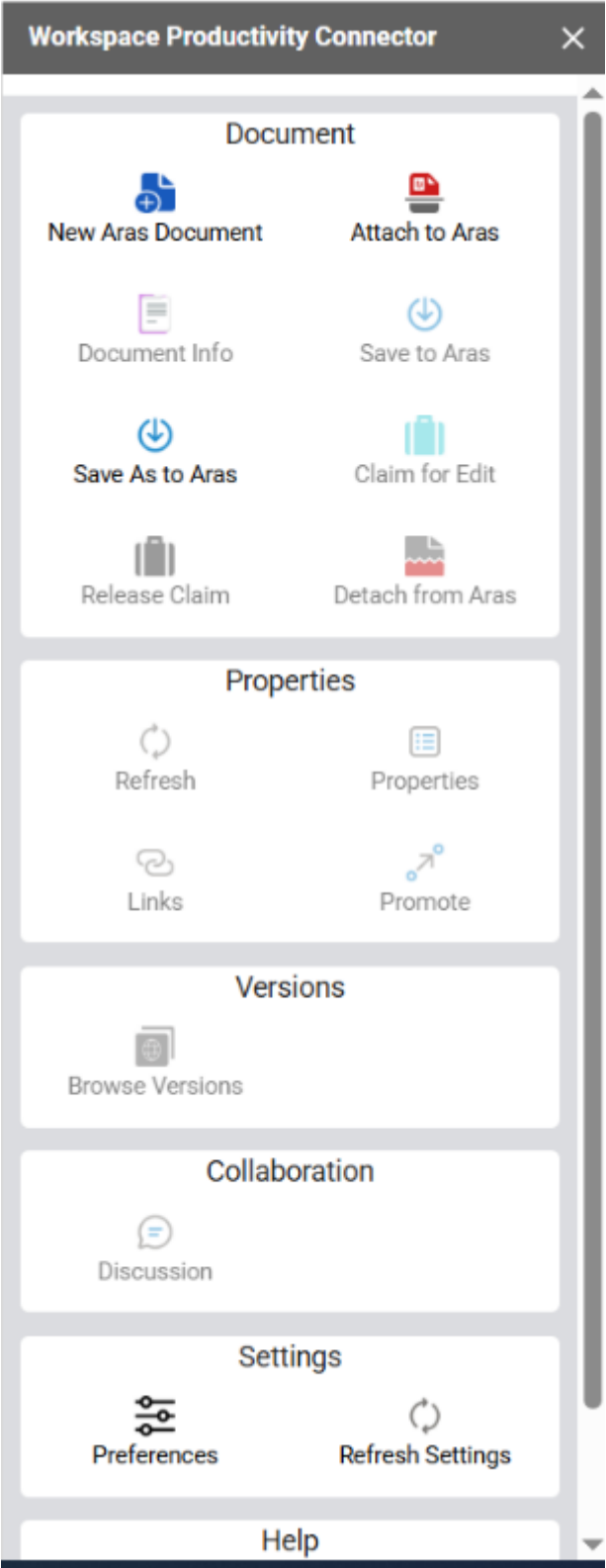
Cancel

Deploy

- Next, from the “Deploy” dropdown choose “**Test Deployments**”.
- Click “**Install**” on the dialog.
- Click “**Done**”.
- Open any Google Doc, Sheet, or Slide. In the bottom-right corner, click the arrow icon. This will open the sidebar, where you'll see the new "Aras" add-on.
- Click on the Aras add-on. You'll see the **Google Authorization task pane**. Click on it and sign in with your Google account. The first time, you'll need to grant access.
- Once signed in, the **Workspace Productivity Connector** login task pane will appear.



- Once you login into your Innovator all the commands will be visible on task pane.



Organizational Setup

1. Search for “Marketplace SDK” and enable it.

Search

Search

ALL

DOCUMENTATION & TUTORIALS

RESOURCES

MARKETPLACE & APIS

Filter by

☐ Product or Page
 ☐ Documentation or tutorial
 ☐ Marketplace and APIs
 ☐ Organization
 ☐ Folder
 ☐ Project
 ☐ Resources

Resource filters

Search results

Including results for [marketplace SDK](#)

Search only for [markeplace SDK](#)

Showing 30 of 73 results for "markeplace SDK".


[Google Workspace Marketplace SDK](#)

Publish applications to the Google Workspace Marketplace.

Type:

Marketplace Product

Producer:

Google

2. Go to **AppConfiguration**

API

APIs & Services

📌

←

API/Service Details

■ DISABLE API

✦ Enabled APIs & services

📖 Library

🔑 Credentials

🔗 OAuth consent screen

⚙️ Page usage agreements

By Google

Service name	Type	Status
appsmarket-component.googleapis.com	Public API	Enabled

CREDENTIALS

APP CONFIGURATION

HTTP DEPLOYMENTS

STORE LISTING

ANALYTICS

App Configuration

API ID: 6677302307

3. Configure the following steps:
 - **App Visibility:** Set to Private
 - **Installation Settings:** Select the options as required
 - **App Integrations:** Choose Google Workspace add-on and paste the **Deployment ID** from the Project Managed Deployment section



Manage deployments

Active

Google Marketplace...

Archived

No archived deployments

Configuration

Version

Version 1 on Jul 7, 2025, 8:53 AM

Description

Google Marketplace Test Deployment

Deployment ID

AKfycbzz8uMvYtVAT5CROABgclJOrfTeDhfxXusag2cZkQABanxPAnR2PvrhZU1qDitlu...

Copy

Library

URL

https://script.google.com/macros/library/d/1PlnFzyv3RCrZFhsxG9UERpsL_8dut-_wz...

Copy

Cancel

Deploy



App Configuration

Choose the app framework your app or add-on is designed to work with as a third-party service. See [List app integrations together](#)  to learn more.

- ☒ **Google Workspace add-on**
Integrates your app with Gmail, Calendar, Drive, and/or Meet Google Workspace services. Your deployment ID will identify all the Google Workspace services your app supports.
- ☒ **Apps Script**
Provide the Apps Script deployment ID below.
- ☐ **HTTP or other deployments**
Specify the endpoint information in the HTTP Deployment tabs, and select the Deployment ID below.

Deployment ID *

AKfycbzz8uMvYtVAT5CROABgclJOrfTeDhfxXusag2cZkQABanxPAnR2PvrhZU1qDitlu6

- Select applications for which this add-on is applicable

☒ Docs add-on

Lists your add-on for Docs in the Google Workspace Marketplace.

Docs add-on Project Script ID *

1PInFzyv3RCrZFhsxG9UERpsL_8dut_wzwc4yTsV8V7wkWQqoAHc_WSD

Docs add-on script version *

14.0.1

☒ Sheets add-on

Lists your add-on for Sheets in the Google Workspace Marketplace.

Sheets add-on Project Script ID *

1PInFzyv3RCrZFhsxG9UERpsL_8dut_wzwc4yTsV8V7wkWQqoAHc_WSD

Sheets add-on script version *

14.0.1

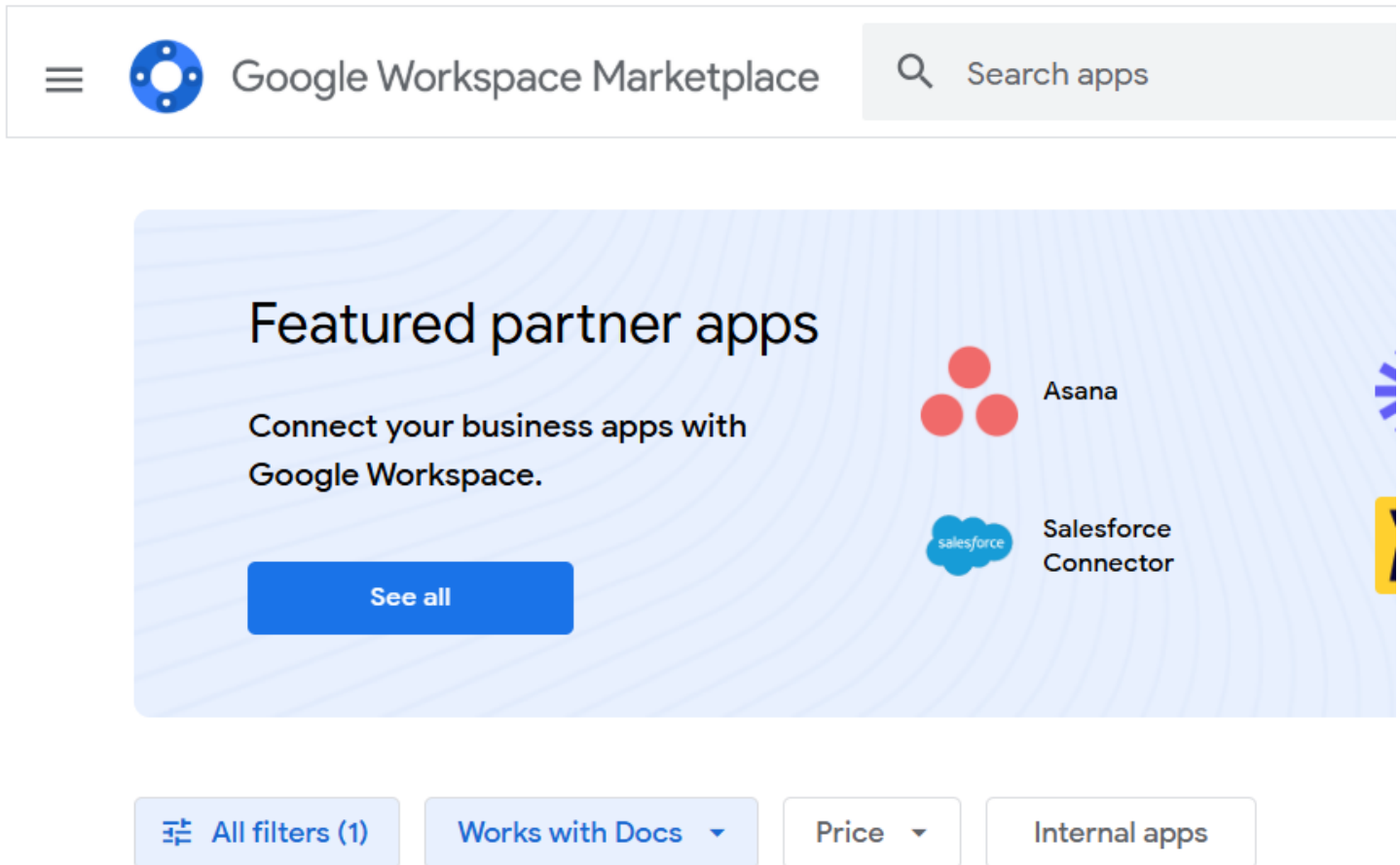
☒ Slides add-on

Lists your add-on for Slides in the Google Workspace Marketplace.

Slides add-on Project Script ID *

1PInFzyv3RCrZFhsxG9UERpsL_8dut_wzwc4yTsV8V7wkWQqoAHc_WSD

- Fill in Developer information section
- Click on **Save Draft**
- Go to **Store Listing**. Fill in the required details and publish the app. Once it's published, the app will appear in the "Internal Apps" section on the "Get Add-ons" page.



4. Click on it and search for "Workspace". If the add-on is not already installed, you'll be prompted to install it. If it is already installed, it will be shown as such.



Workspace Producti...

Workspace Productivity Connector

By: [Snehal](#)

Listing updated: July 8, 2025

Admin install

Individual install

Works with:



No reviews ⓘ ⬇ No users

Overview

Permissions

Reviews

To	Task	Priority	Owner	Status	Start date	End date	Milestone	Deliverable	Notes
1	Task	High	A. Name	Not Started	10/1/2022	10/1/2022	Milestone	10 File	Notes
2	Task	Medium	A. Name	In Progress	10/1/2022	10/1/2022	Milestone	10 File	Notes
3	Task	Low	A. Name	Not Started	10/1/2022	10/1/2022	Milestone	10 File	Notes
4	Task	High	A. Name	Completed	10/1/2022	10/1/2022	Milestone	10 File	Notes
5	Task	Medium	A. Name	Completed	10/1/2022	10/1/2022	Milestone	10 File	Notes

5. Click “Admin Install” and complete the setup.





Workspace Productivity Conn...
has been installed!



You have successfully installed a Google Workspace
Add-on.

Workspace Productivity Connector has been added to your Docs,
Sheets and Slides sidebar.



DONE



User Guide



Overview

Google applications are a big part of most manufacturing companies' product development process. For example, Google doc is used to create product specifications, Google Sheets for product-related financial spreadsheets, and Google Slides for product briefings.

Aras Workspace Productivity Connector provides a convenient way to manage Google Workspace documents in Aras directly from the user interface of Workspace. The Connector helps standardize company documentation procedures by providing easy access to document templates, controlling numbering, and naming of files, and automating creation of viewable files PDF.



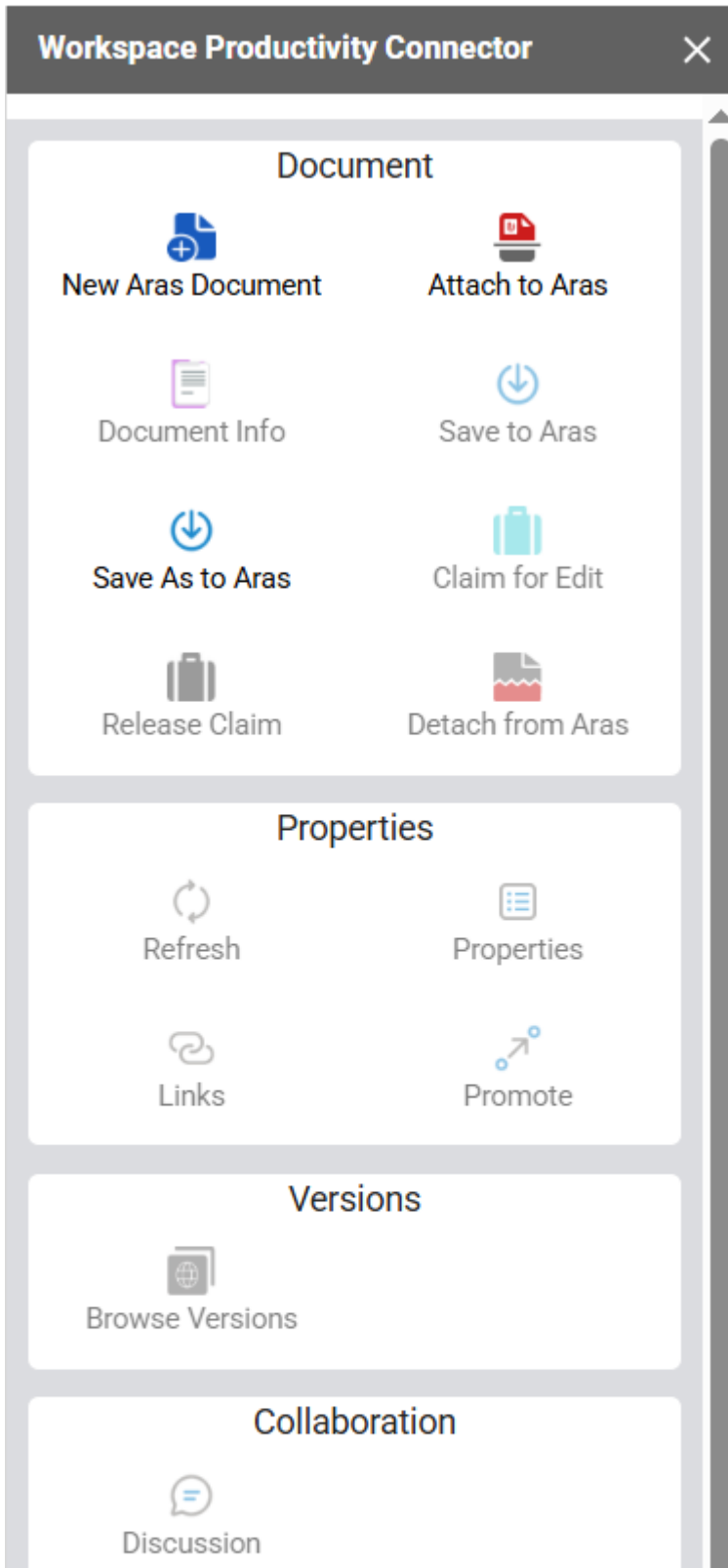
Aras Workspace Productivity Connector Basic Operation

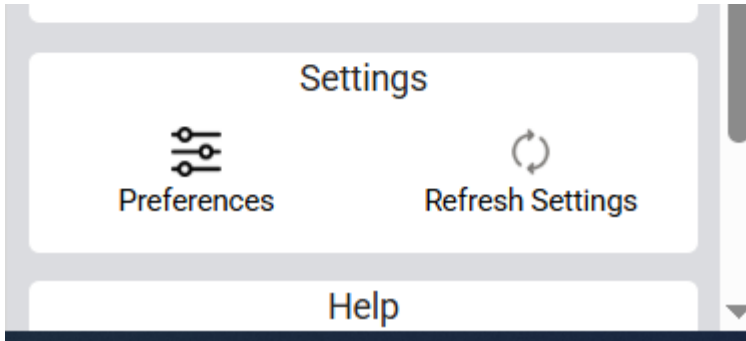
This section overviews the available Connector commands and other basic information.

Aras Ribbon and Commands

When the Aras Workspace Productivity Connector is installed on Google Workspace Online add-on, it adds an Aras add on within the Doc, Sheet, and Slide applications:



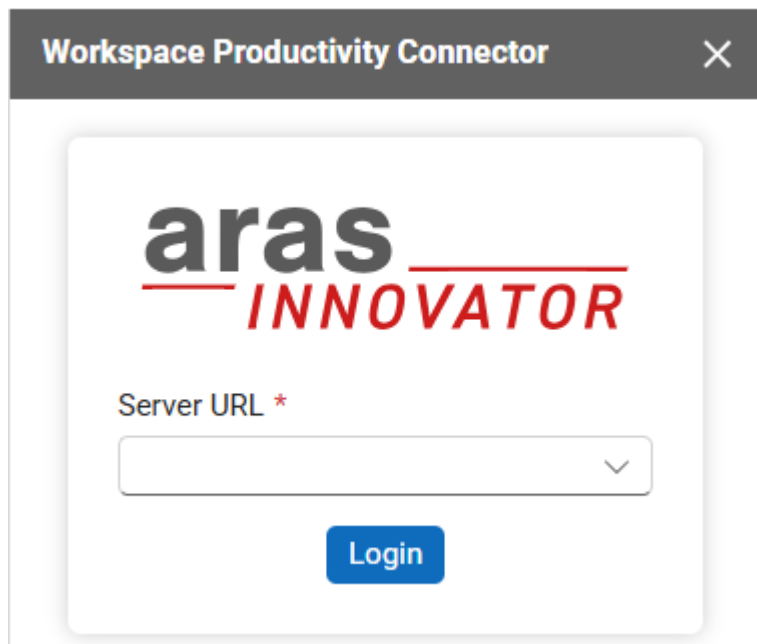




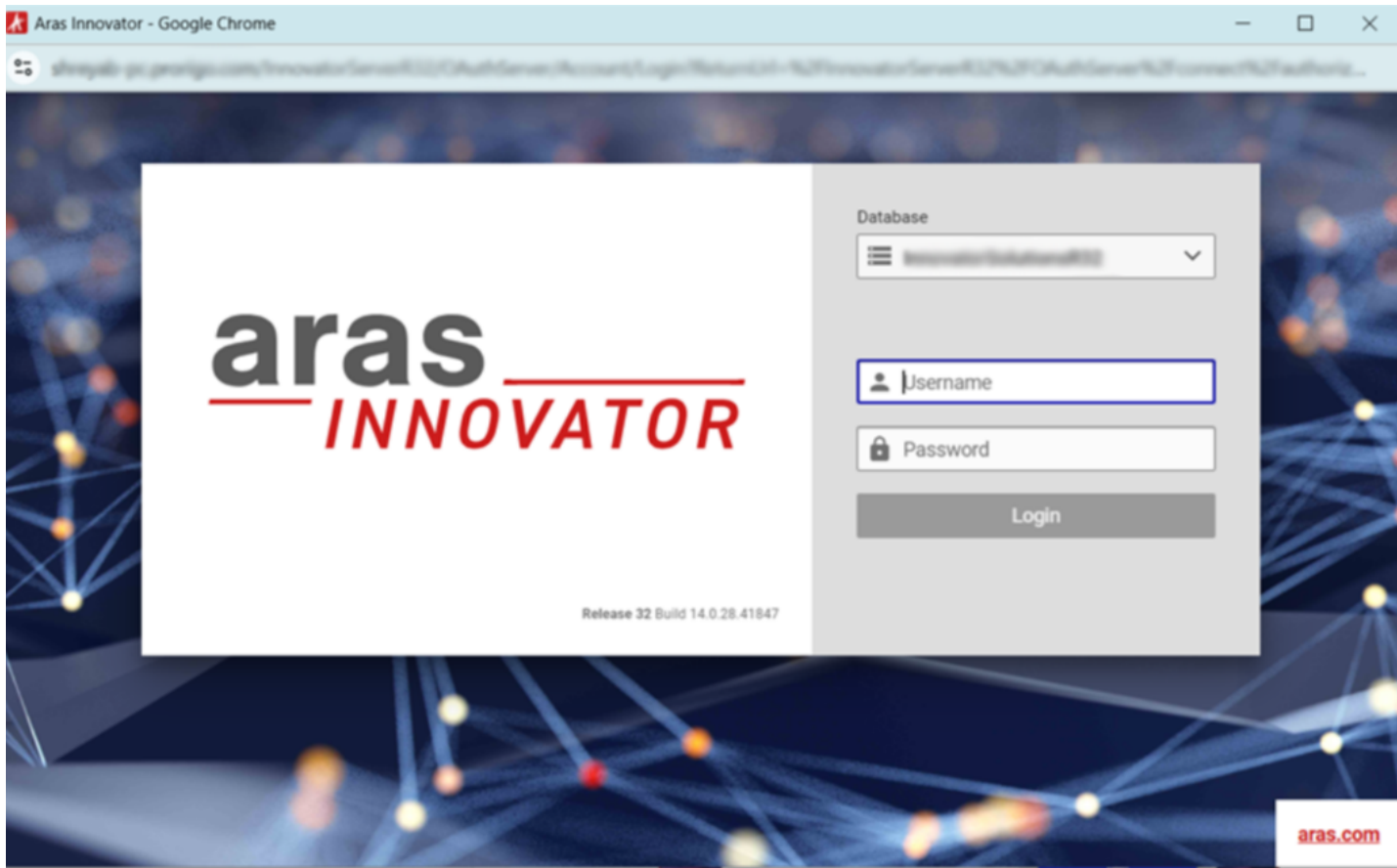
Section	Command or Field Name	Icon Description
Documents	New Aras Document	Creates a new Workspace file managed by Aras, optionally using a template stored in Aras.
Documents	Save As	Saves the current Workspace file's PDF as a new PDF file managed by Aras.
Editing	Edit	Sets the edit claim on the current Workspace file's associated Aras Document
Editing	Save	Saves the current Workspace file's PDF in Aras and retains the edit claim.
Editing	Done	Saves the current Workspace file' PDF in Aras and removes the edit claim on the current Aras document.
Metadata	Refresh	Refreshes Aras document properties.
Metadata	Promote	Promotes the current Aras Document to a new lifecycle state (optional).
Metadata	Properties	Displays a list of all file synchronized properties.
Metadata	Links	Opens a dialog enabling adding or removing links to other Aras Items.
Metadata	Detach	Removes the Aras tracking information from the current Workspace file.
Collaboration	Discussion	Accesses the Discussion Panel, where comments can be added and sent.
Help	Session	Displays session information and allows logging out of Aras.
Help	About	Displays information about the Aras Workspace Connector.
Settings	Settings	Accesses the Settings task pane to manage user settings for logging in.
	Refresh Settings	Refreshes new settings and properties from Aras.

Logging into Aras

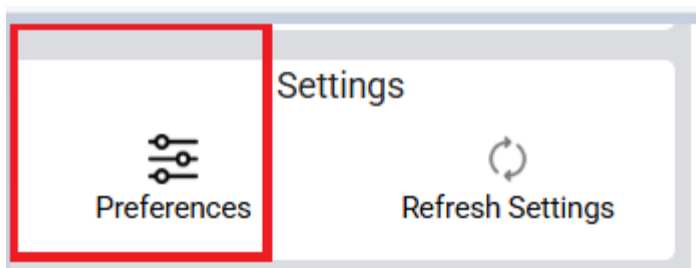
Users must log into Aras Innovator with their username and password to use the Aras Workspace Productivity Connector. After starting any Workspace application and selecting a command from the Aras ribbon, users will see the following dialogs:

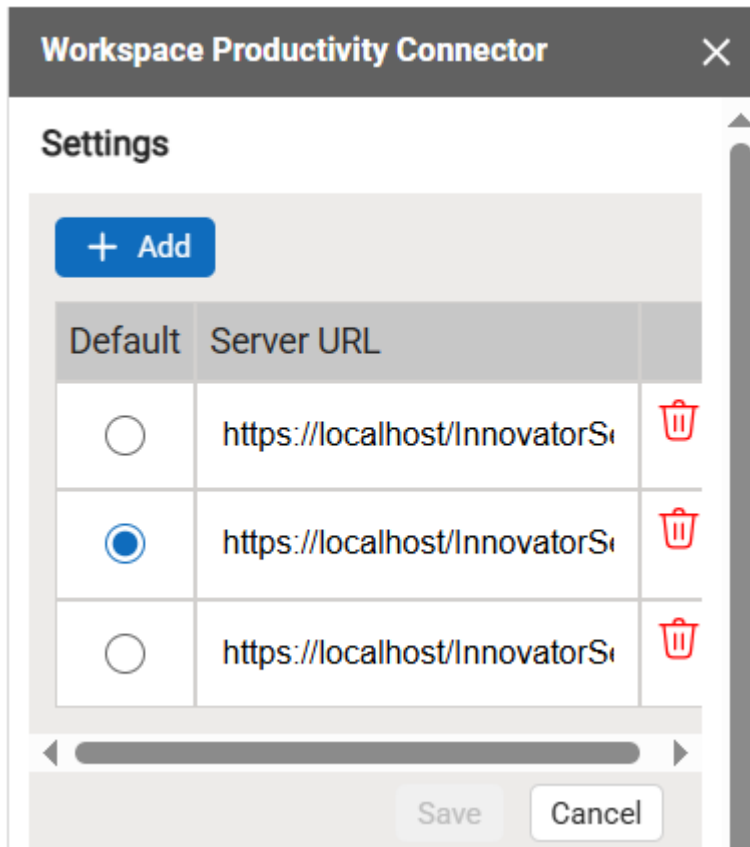


The image shows a dialog box titled "Workspace Productivity Connector" with a close button (X) in the top right corner. Inside the dialog, the Aras Innovator logo is displayed at the top. Below the logo, there is a label "Server URL *" followed by a text input field with a dropdown arrow on the right. At the bottom of the dialog is a blue "Login" button.



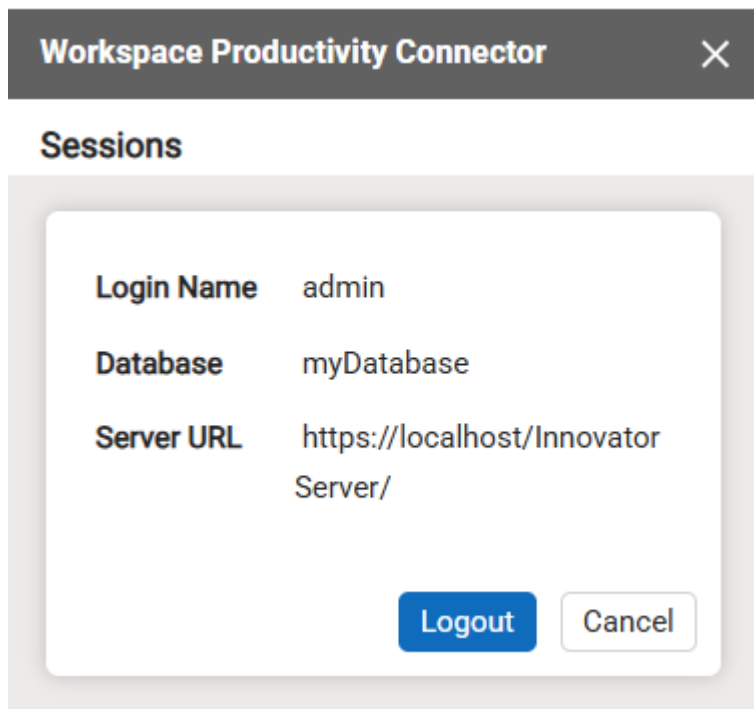
The URL for connecting to Aras Innovator can be entered manually or stored as a dropdown selection. The URL connections for the dropdown selection are stored in **Settings** under the **System** button in the Aras Ribbon:





The Connector functions can be used after login in. A separate login to Aras is required for each Workspace application. The Aras login will remain active if the Workspace application is active.

Users can log out of Aras by clicking the down arrow in the **System** section and selecting **Session** and **Log out**:



Important

The ability to access data in Aras through the Aras Workspace Productivity Connector depends on user permissions.

File Management

The Aras Workspace Productivity Connector does not affect the ability to use the normal Workspace **Save** and **Open** commands.

Aras Item Types used by the Aras Workspace Productivity Connector

Aras Innovator organizes data using different Item Types, such as **Parts**, **Projects**, and **Process Plans**. To manage files, it typically uses an Item called a Document—though the name might vary. A **Document** is like a container: it holds one or more files and includes details (metadata) about them. Documents can be linked to other Items, like Parts or Projects, so users can easily find and open related files.

Creating and Linking Documents

As shown in the *Use Case Overview* section, there are several different ways to use the Aras Workspace Productivity Connector to create and save documents. This section describes the procedures associated with these different use cases.

Creating a New Aras Document

Creating a new Aras **Document** allows the creation of a new Workspace file while using company-standard processes such as templates and numbering.

To create a new Aras **Document**:

1. Click the **New** button in the Aras ribbon and select **New Aras Document**. This opens the **New Document** task pane.



Workspace Productivity Connector
✕

New Aras Document

Document Type *

▼

Document Template

... ✕

Link to

▼

Linked Item

... ✕

Title *

File Name *

Document Number

auto-generated

Properties

OK

Cancel

- Choose the right Document Type by clicking the down arrow in the Document Type field. The Document Type you select controls how the rest of the form behaves. Administrators decide which types are available. Some common examples include:

- **Document / Product** – for documents related to a product you're designing
- **Document / Project** – for documents related to a project
- **Document / General** – for general-purpose documents

Here's what the Document Type selection list might look like:

Document Type *

Document / Ad-hoc

Document / General

Document / Product

Document / Project

Link to

3. Click the **ellipsis (...)** button in the **Document Template** field to browse for a template. The following is an example of the search dialog:

Search Document

Search

Clear

Claim	Document Number	Revision	Name	Type	State	Authoring Tool	Changes	Files	Template	From Template
				Ad-hoc		Microsoft Word				

No Items Found

Select

Cancel

The entries in the list show the available templates in Aras that correspond to the selected Document Type. Additional search filtering can be performed by entering values in the search bar.

Templates need to be defined prior to using **New Aras Document** and may be defined by the administrator or by other users. For details on creating templates, refer to the *Creating Document Templates* section.

Important

The administrator can define specific Document Types that require a template. If this is the case, the dialog cannot be exited from without selecting a template.

- **Link to**

Based on the **Document Type** selection, the selection list for **Link to** shows the available Aras **ItemTypes** that can be linked to a document. For example, a user can link a Product Document to only **Parts**, and a Project Document to **Projects** and **Activities**.

In Aras terminology, links are also known as **Relationships**. The advantage of creating them at the time of document creation is that the item linked to can drive numbering.

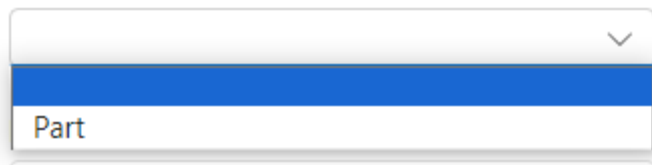
For example, if a Product Document is created and linked to **Part P12345**, the File Name could be automatically set to something like **P12345-DOC-1.docx**.

Important

An administrator can set **Link to** as required for a given Document Type, meaning a linked Item must be selected before proceeding.

An example of the selection list for **Link to** is shown here:

Link to



Once the Item Type to link to is selected, click the **ellipsis (...)** button to open a search dialog to select the specific item in Aras:

Search Part

Search

Clear

*Note: Can not select Part items with state Released

Claim	Keyed Name	Name	Classification	Description	Curent State
▼					
No Items Found					

Select

Cancel

This Search dialog allows users to: Enter search criteria in the top search row. Execute a search with the **Search** button. Clear search criteria with the **Clear** button.

Once the desired Item is located, select it and click **Select**. It will appear in the main dialog as the **Link to** Item.

After making selections in the left column of the dialog, the **New Document** task pane appears as shown here:



Workspace Productivity Connector

New Aras Document

Document Type *
Document / Ad-hoc

Document Template
...

Link to
Part

Linked Item
Bicycle

Title *
Bicycle Specification Template

File Name *
Bicycle Specification Template

Document Number
auto-generated

Properties
OK
Cancel

- Title and Other Properties

4. Enter a title for the document and, optionally, any other Properties configured in the environment.



Important

Workspace and Aras use different nomenclature for standard property names, so the value you enter for Title may appear as the Name in Aras.

The values displayed when selecting **Properties** reflect the Workspace naming.



Workspace Productivity Connector

×

New Aras Document

Document Type *

Document / Product

▼

Document Template *

⋮

×

Link to

▼

Linked Item

⋮

×

Title *

Bicycle Specification Template

File Name *

Bicycle Specification Template

Document Number

auto-generated

Properties

Property	Value
Subject	Test descriptor

Properties

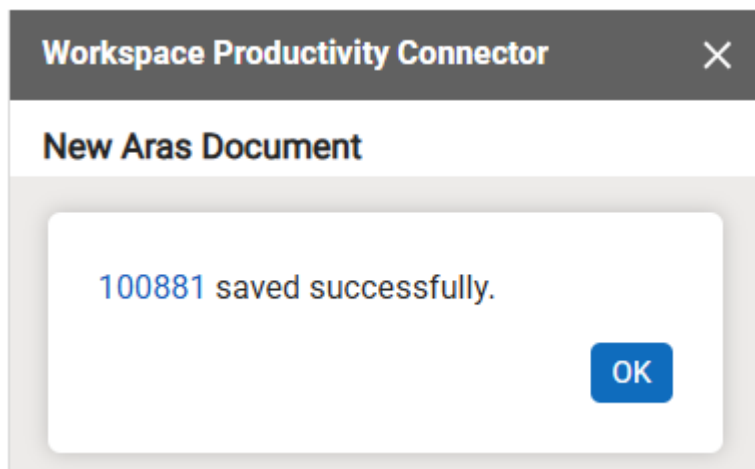
OK

Cancel



An administrator may define properties in Aras as “required”. Creating a new document cannot continue until all required properties are entered. An administrator can also pre-define default values for properties in Aras.

Click OK to complete the process. The connector then generates PDF version of the Google document and links it to the Aras Document.



Important

The File Name displayed by the Workspace application is determined by the Workspace application. When saving the file to Aras, the Connector will automatically determine the File Name.

If you use a template, the file's initial content comes from the template file. Otherwise, it will be blank.

Important

The Aras Workspace Productivity Connector populates a property on the Document based on the Microsoft Application that authored the file. By default, this is the **Authoring Tool** property. An administrator may configure the Aras Workspace Productivity Connector to use a different property for this value. For the purposes of the *Aras Workspace Productivity Connector 32 – User Guide*, the default name for the **Authoring Tool** property will be assumed.

Save the file into Aras. Click the **Save** button, then select **Save from the menu**. The task pane will appear to confirm the file to be saved. Click **OK**. You'll see a confirmation when the document is

saved successfully.

The properties are updated because the file is saved into Aras.

Workspace Productivity Connector

Properties


Bicycle Specification Template

Document Number

100880

Revision

Generation

State

A

1

Preliminary

Aras Created On

Tue Jul 08 2025

Aras Author

Innovator Admin

Subject

Test description

Aras Document

100880

OK

Cancel

If the Document is in Aras Innovator, the Form below is displayed:

The screenshot displays the Workspace Productivity Connector interface. At the top, there's a document header with the ID '100880' and a star icon. Below this is a toolbar with icons for Edit, Refresh, Undo, Redo, and a menu icon, followed by an 'Open In Workspace' button. The main form is titled 'Document' and contains several fields: Document Number (100880), Revision (A), State (Preliminary), Assigned Creator, Designated User, Age, Multi_select_countries (a dropdown list showing countries like Albania, Argentina, Armenia, etc.), and External Id (150NateBxIKcCxWS). There are also checkboxes for 'Files Attached', 'Changes Pending', and 'Template'. Below the form is a 'Files' section with a 'Changes' tab. It shows a list of files with columns: Related File [...], File Type [...], Comments, Sequ..., Is Shared, and SharePoint File Name. The first file listed is '100880 Bicycle Specification Template.pdf'.

Manual File Naming Option

A File Name can be manually entered for the new file depending on the **Document Type** selected. An administrator sets this option. Typically, this will be for document types like **Ad Hoc** that don't need to be highly controlled. The **File Name** field will appear in the dialog when this option is enabled. After clicking **OK**, the file is created with the File Name entered.

Filtering by Link To Selection

If there are many Document Types in the Aras environment, one way to quickly find the desired type is to select the **Link to** the item type. This automatically filters the Document Type list to those valid for the selected Item Type.

Attaching a Workspace File to an Existing Aras Innovator Document

Important

Before this feature can be used, the administrator must enable the **Allow Select Existing Document** checkbox on the appropriate Workspace Document Type.



To attach a file to an existing Aras Innovator **Document**, create a New Aras **Document** as described in the *Creating a New Aras Document* [section](#) . Before selecting **OK**, follow these steps:

1. Click the **ellipsis (...)** button in the **Document Number** field. The Search dialog box appears.

Search Document

Search

Clear

*Note: Can not select Document items with state Released

Claim	Document Number	Revision	Name	Type	State	Authoring Tool	Change:
				Ad-hoc		Microsoft Word	

No Items Found

Select

Cancel

1. Click the **Search** button to see a list of existing documents without an attached file.

Search Document

Search

Clear

*Note: Can not select Document items with state Released

Claim	Document Number	Revision	Name	Type	State	Authoring Tool	Change:
				Ad-hoc		Microsoft Word	
	100029	A	Bicycle Wheel Specification	Ad-hoc	Preliminary	Microsoft Word	
	DOC-123	A	Specification	Ad-hoc	Preliminary	Microsoft Word	

Select

Cancel

2. Select the existing document and click **OK**. The Document Number is applied to the new document.

Workspace Productivity Connector ✕

New Aras Document

Document Type *

Document / Ad-hoc ▼

Document Template

... ✕

Link to

▼

Linked Item

... ✕

Title *

Specifications

File Name *

Specifications

Document Number

Existing Doc ... ✕

Properties

OK

Cancel

Saving an Existing Document to Aras



An existing Workspace file can still be saved to Aras, but the options will be slightly different from those when creating it in Aras. To save an existing file to Aras, open it in the Workspace application and save it. After saving to Aras, the Aras ribbon is updated. The options compared to creating a new document are:

- **Document Type:** Document Types that do not require a template will be shown since a template cannot be used for an existing file.
- **Document Template:** Not selectable since the file already exists.
- **Link to:** Any Item to link to can be selected based on valid Item Types for the selected Document Type.
- **Title and Properties:** All capabilities are the same.
- **File Naming:** The File Name field will not appear regardless of Document Type. If the Document Type does not automatically rename the file, it will use the existing File Name.

Release Claim

The Aras Workspace Connector includes a **Release Claim** command indicating that work is complete on a particular file and control is given back to Aras.

Save As

Use the **New**, **Save As** command to perform a **Save As** on a file already managed in Aras and have it become a new file also managed in Aras. When using **Save As**, the same dialog appears as when saving a new file, but with different available options. Behaviors compared to creating a new document are:

- **Document Type:** The Document Type of the original document appears. If this original Document Type requires a template, it cannot be changed. If it does not require a template, it can be changed.
- **Document Template:** The Document Template, if any, is displayed but cannot be changed since the file already exists.
- **Link to:** Any item can be selected to link to based on the valid Item Types for the Document Type.
- **Title and Properties:** Properties from the original file will initially be displayed and can be edited if desired.



- **File Naming:** The File Name field will appear only if the Document Type does not automatically rename the file. In this case, a File Name can be entered for the new file. Otherwise, the renaming logic for the specific Document Type will be used.



Edit Control

The Aras Workspace Productivity Connector provides several features to support editing files in Workspace applications.

Document Claiming and Unclaiming

In Aras terminology, when a user **Claims** an Item like a **Document**, they reserve it for editing - meaning only they can make changes to it. Only one person at a time can claim any given Item. When the user **Unclaims** the Item, it is available for others to claim and edit. The ability to claim Items is controlled by Aras's **Permissions**. For example, **Permissions** for most users are set so that when an Item is in the **Preliminary** (in-work) State, it can be claimed, but when it is in the **Released** State, it cannot be claimed and, therefore, cannot be edited.

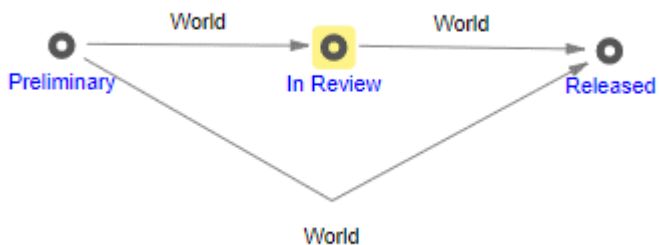
The Aras Workspace Productivity Connector leverages the **Claim** and **Unclaim** functions to control who has the right to edit files. The **Claim Status** is indicated by the **Claimed by** field in the task pane. If the field displays a user's name, the Document is claimed by that user and only they can edit it.. If the field is empty, the Document is unclaimed. The Aras Workspace Productivity Connector automates much of the **Claim** and **Unclaim** behavior in intuitive ways when working on Workspace files.

Use **Done** when finished editing, and Aras will take care of proper **Claiming** and **Unclaiming**.

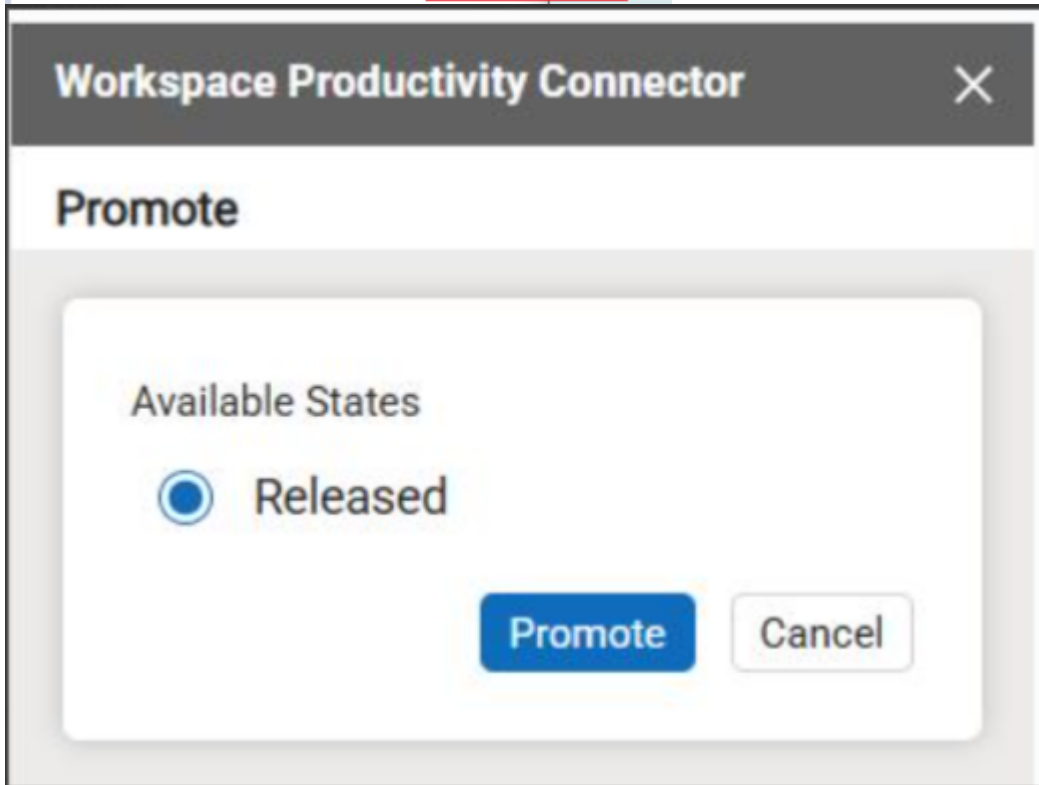
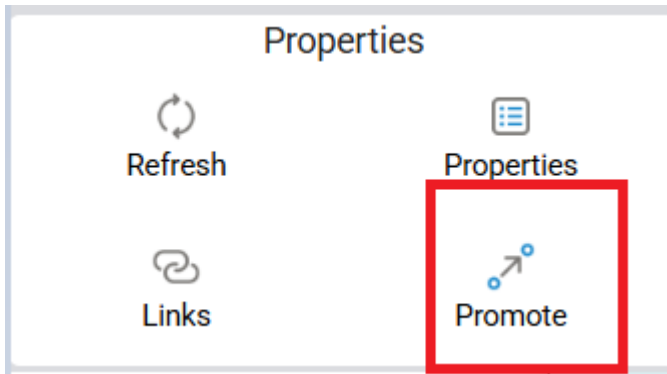
Lifecycle State Promotion

Another approach to managing the Document change process is to use manual **Lifecycle** State Promotion, in which case there is no **ECO** or **DCO** as described in the previous section. Still, users can simply promote from one state to another manually. For example, here is a simple Document **Lifecycle Map** showing three States that the Document can have:





If Documents are defined in this manner, then an administrator can set up the Aras Workspace Productivity Connector so that the **Promote** command can be accessed directly from the Workspace ribbon. By clicking on this command, the current Document can be promoted to a desired state. Note that the Document must be unclaimed to promote.



Other Capabilities

Other capabilities of Aras Workspace Productivity Connector are covered in this section.

Property Mapping

Both Workspace and Aras Innovator have the concept of Properties: textual information that describes a Document. The Aras Workspace Productivity Connector can map properties between the Workspace file and Aras Innovator in both directions and at different points in the process. The options are:

Direction	Doc Sheet Slide		
From Office File to Aras	X	X	X
From Aras to Office File	X	X	X



Workspace Productivity Connector

Properties


Bicycle Specification Template

Document Number

100880

Revision

Generation

State

A

1

Preliminary

Aras Created On

Tue Jul 08 2025

Aras Author

Innovator Admin

Subject

Test description

Aras Document

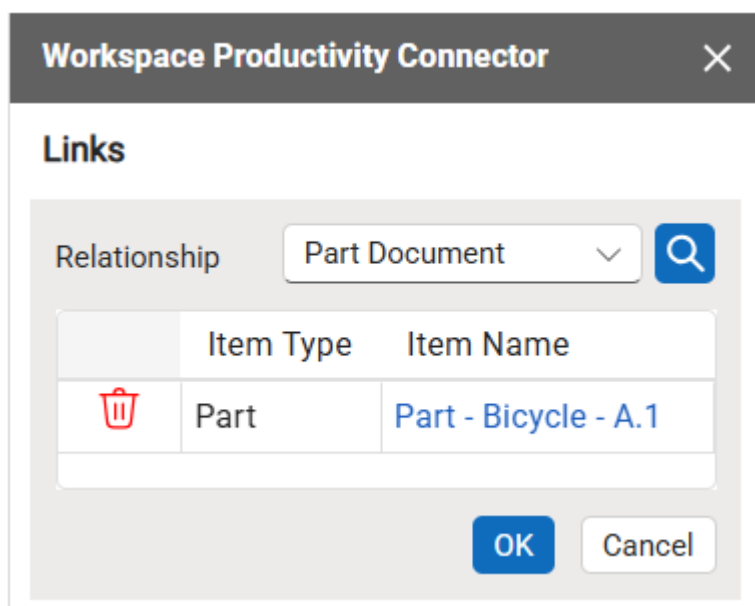
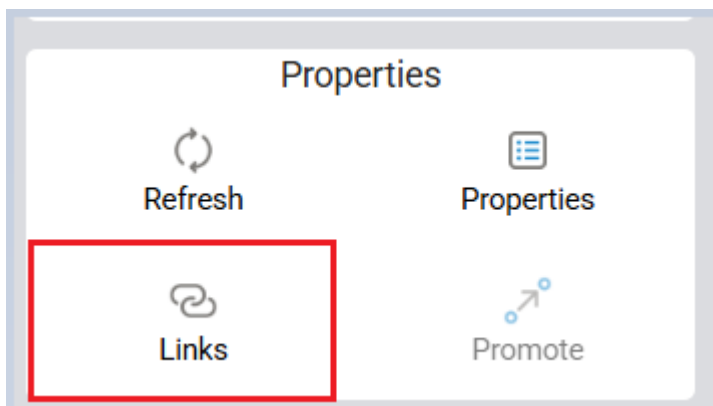
100880

OK

Cancel

When you click the Refresh button in the Aras toolbar, the Workspace file also updates any properties that are mapped from Aras.Item Links

As shown in the Creating and Saving Documents section, you can link an Aras Item—such as a Part or Project—when first creating the Document. After that, you can add or remove links at any time using the Links command.



If already existing links exist, you will see them in the task pane, and you can click **the Delete Icon button** to remove them. You can add any number of existing links by selecting the Item Type, then searching for and choosing the desired Item(s).

The advantage of creating the link during the initial creation of the Document is that the **File Name** and **Document Number** can be based on the linked Item. If a link is created later using **Links**, it does not affect the **File Name** and **Document Number**.

Open Command from Aras Innovator

Click the “**Open In Workspace**” command to open the Google document.

