

Configuring the Aras Innovator Server

After installing the Conversion Server, your Aras Innovator Server needs to be configured to communicate with it.

The following steps guide you in the configuration that is required.

Configuration Steps

1. Open a Windows Explorer window to the root of the Aras Agent Service Installation.
2. Open the **\\AgentService\\conversion.config** file in text editor.
3. Configure the 'cycle' tag as follows:
 1. DB: Aras Innovator Database
 2. User: admin
Another Aras Innovator User can be specified as long as they are a member of the ConversionManager Identity and they have permissions to lock dependencies of ConversionTask Item which are added by ConversionRules.
 3. Interval: default is 20000 (set in milliseconds)
How often the Conversion Server checks if there are Conversion Tasks that need to be processed.
 4. MaxBatch: default is 5
Number of Conversion Tasks that can be processed at the same time.
 5. Uncomment the tag as follows:

```
<configuration>
...
<Innovator>
<Conversion>
<ProcessingCycles>
<!--cycle DB="{db}" User="{user}" Interval="20000" MaxBatch="5" /-->
</ProcessingCycles>
</Conversion>
</Innovator>
</configuration>
```

Should become:



```

<configuration>
...
<Innovator>
<Conversion>
<ProcessingCycles>
<cycle DB="InnovatorSolutions" User="admin" Interval="20000" MaxBatch="5" />
</ProcessingCycles>
</Conversion>
</Innovator>
</configuration>

```

4. Configure the 'Conversion' tag for Force mode as follows:

Important

Leave the following parameters with the default value, because default configuration covers almost all use cases of Force mode (OnAfterAddConversionTask event) Conversion Tasks execution. Update the following configuration only if it is required.

- ForceModeMaxConcurrentTasksCount: default is 100
- Max number of Force mode Conversion Tasks that can be processed at the same time.
- ForceModeMaxConcurrentCyclesCount: default is 10000
Max number of requests with Force mode Conversion Task, that can be processed at the same time.

```

<configuration>
...
<Innovator>
<Conversion ForceModeMaxConcurrentTasksCount="100" ForceModeMaxConcurrentCyclesCount="10000">
<ProcessingCycles>
...
</ProcessingCycles>
</Conversion>
</Innovator>
</configuration>

```

5. Save and close the 'conversion.config' file.
6. Log in to Aras Innovator as an administrator.
7. Go to Administration --> File Handling --> Conversion Servers.
8. Open the 'Default' Conversion Server for editing or create a new Conversion Server.
9. If not filled out (New Conversion Server), enter the name and Impersonation User.
10. Hard-code the URL to the conversion server:

```
http://serverName/ConversionServer/ConversionService.asmx
```



Important

You must replace the servername above with the location of your Conversion Server web application as specified in IIS.

11. Save, unlock, and close the Conversion Server.

Important

After making adjustments to the conversion.config file, the Aras Innovator Agent should be restarted via **Control Panel --> Administrative Tools --> Services**.

Setting up a Conversion Rule

To begin converting files using the Conversion Server, you need to create or install a Conversion Rule to your instance. If you want to setup the standard Aras Innovator CAD to PDF Converter in your instance, refer to the *Aras 3D Visualization 21 – Administration Guide*, available in the Documentation folder of the Aras Innovator CD Image. If you are a developer and want to walk through an example of creating your own custom Conversion Rule, refer to the Aras Innovator 40 - Example for Developing Conversion Server Tasks, also available in the Documentation folder of the Aras Innovator CD Image.

Temp Directory Configuration

This setting is optional. The conversion server creates a separate temporary folder for each processing conversion task. The name of this folder is equal to the ID of the corresponding conversion task. However, if this folder exists for some reason, a new folder is created with its name followed by a number suffix (e.g., “CONVTASKID_1”, “CONVTASKID _2”, etc.). By default, these folders are created within **the Path to Conversion server\..temp** folder. This setting can also be changed by modifying **appsettings.json** file of conversion server. To do so, add the lines below to appsettings file:

```
"ConversionServiceOptions": {  
    "TempDirectory": "new path to temp folder"  
}
```

If the provided path is empty or incorrect, the default one will be used instead.

