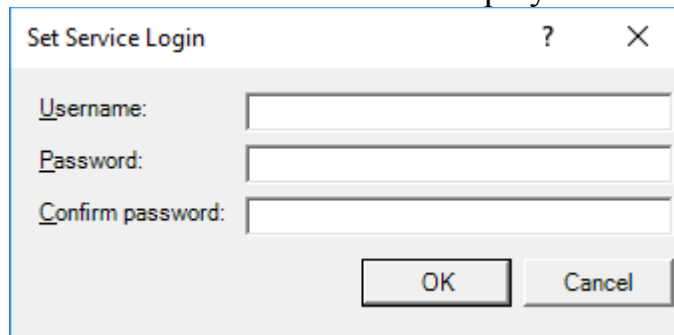


How to run scheduled synchronization

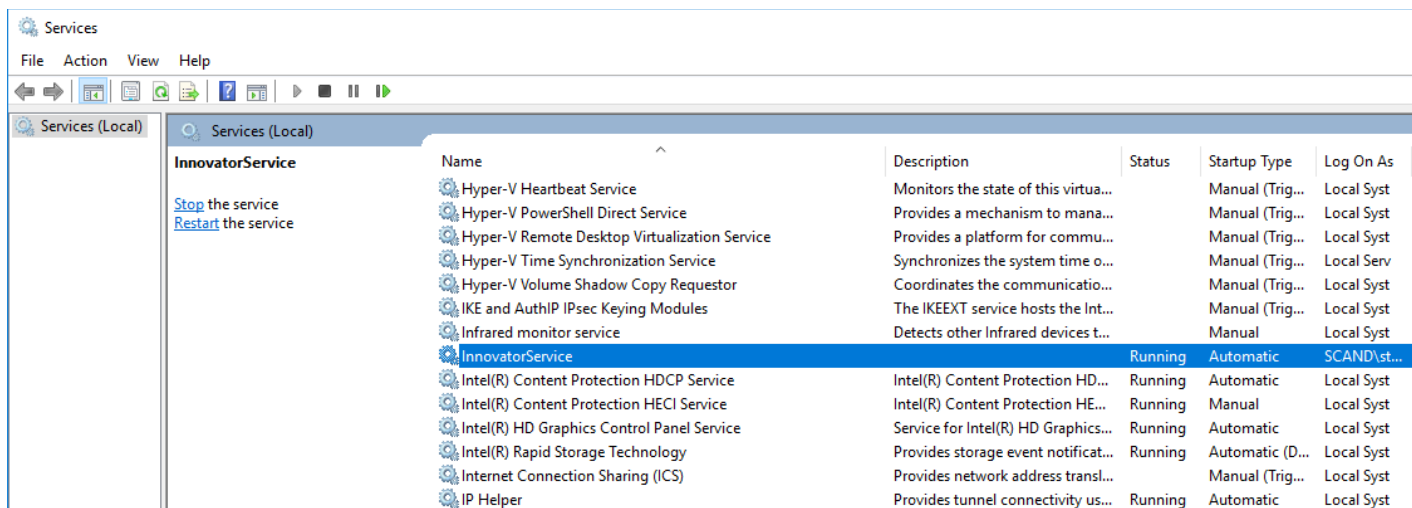
1. Installation of the scheduler (InnovatorService)

- Copy next files to any folder: InnovatorService.exe, InstallService.bat, UnInstallService.bat, InnovatorServiceConfig.xml and rserv.bat (can be found on the Aras Innovator CD in the Scheduler folder);
- Run InstallService.bat file as administration user from folder in command line. Then this window will be displayed:



A dialog box titled "Set Service Login" with a question mark icon and a close button (X). It contains three text input fields labeled "Username:", "Password:", and "Confirm password:". Below the fields are two buttons: "OK" and "Cancel".

- Enter user name and password for the machine on which you are installing the service, use a fully qualified user name like domain_name\user_name.
- After installation verify that the Windows Service named "Innovator Service" was added to the management console and you can start it, specify automatic start of the service.



2. Scheduler configuration

Open the InnovatorServiceConfig.xml file in the folder you setup the service. Edit it in the following way:

```
<?xml version="1.0" encoding="utf-8" ?>
<innovators>
  <innovator>
    <server>http://localhost/SP15_Source</server>
    <database>SP15_Source</database>
    <username>admin</username>
    <password>innovator</password>
    <http_timeout_seconds>60</http_timeout_seconds>
    <job>
      <method>CreateTaskForRule</method>
      <months>*</months>
      <days>*</days>
      <hours>*</hours>
      <minutes>0,5,10,15,20,25,30,35,40,45,50,55</minutes>
    </job>
  </innovator>
  <eventLoggingLevel>2</eventLoggingLevel>
  <intervalMinutes>1</intervalMinutes>
</innovators>
```

Aras Innovator Server Connection Properties:

- **<server>** is the HTTP url of your internal innovator server on which sync process should be triggered. This is the same url that end-users use to run the standard Aras Innovator client.
Example: <server> http://localhost/SP15_Source</server>
- **<database>** is the ID of the database in the InnovatorServiceConfig.xml on which sync process should be triggered. Note that this string is case sensitive.
Example: <database>SP15_Source</database>
- **<username>** is the login account that should be used for running the Methods.
Example: <username>admin</username>
- **<password>** is the password for the login account, in plain-text.
Example: <password>innovator</password>

Job Control Properties:

- **<method>** is the Method name in the Innovator instance you want to run for sync process.
Example: `<method>CreateTaskForRule</method>`
- **<months>** is the month of the year that the Method should be run. Supports a comma delimited list of 1 through 12. January is month=1 and December is month=12.
Examples:
`<months>2,5,8</months>` - Run only in Feb, May, Aug
`<months>*</months>` - Run every month
- **<days>** is the day of the week that the Method should be run. Supports a comma delimited list. Sunday is day=0 and Saturday is day=6. A special value, “last”, is used to indicate the last day of the current month.
Examples:
`<days>1, 5</days>` Run on Monday and Friday
`<days>*</days>` Run every day
`<days>last</days>` Run only on the last day of the month
- **<hours>** is the hours of the day that the Method should be run. Supports a comma delimited list of hour values from 0 through 23.
Examples:
`<hours>6,17</hours>` Run 6am and again at 5pm
`<hours>*</hours>` Run every hour
- **<minutes>** is the minute of the hour that the Method should be run. Supports a comma delimited list of hour values from 0 through 59. A special value, “once”, is used to indicate the job should be run only “once” when the `<hours>` criteria is met, but on which minute is not important.
Examples:
`<minutes>0,15,30,45</minutes>` Run every 15 minutes
`<minutes>*</minutes>` Run every minute
`<minutes>once</minutes>` Run only once when the `<hours>` pattern is met.

Aras Innovator Service Operating Properties:

Two tags are used to control the behavior of the running InnovatorService process:

- **<eventLoggingLevel>** sets the level of detail for messages that are sent to the Windows Eventmonitor.

Examples:

<eventLoggingLevel>0</eventLoggingLevel> Service startup announcement and error messages from Innovator only

<eventLoggingLevel>1</eventLoggingLevel> Announces the start of every Method run

<eventLoggingLevel>2</eventLoggingLevel> Detailed reporting of every run cycle.

- **<intervalMinutes>** sets the Windows timer to control how often the InnovatorService is start and the <job> timing logic is tested. Any positive integer from 1 to 59 is supported.

Examples:

<intervalMinutes>1</ intervalMinutes> Service is run every minute (recommended setting)

3. Synchronization rule configuration

Go to Administration -> Synchronization rule and open for view any item. Then you will see the following form:

The screenshot shows the Aras Innovator web interface for configuring a Synchronization Rule. The top navigation bar includes 'File', 'Edit', 'Views', 'Search', 'Actions', 'Reports', 'Tools', and 'Help'. The main form is titled 'Synchronization Rule' and contains the following fields:

- Destination System:** 284D955A1E3F4337923
- Destination Database:** SP15_Destination
- Destination Authentication Type:** Manual
- Destination Credentials:** Innovator Admin
- Files Checkout Path:** r:\GIT\Source\tmpFileStorage\
- Start Mode:** Scheduled
- Start At:** 19:30
- Is Active:** ☒

Below the form is a 'Synchronization Scope' section with a table listing synchronization rules.

name	description [...]	query_definition [...]
Part Sync Map		Part Synchronization

For scheduled synchronization you should set Start Mode in 'Scheduled' value, check 'Is Active' checkbox and select synchronization start time with help of 'Start At' list according UTC time.