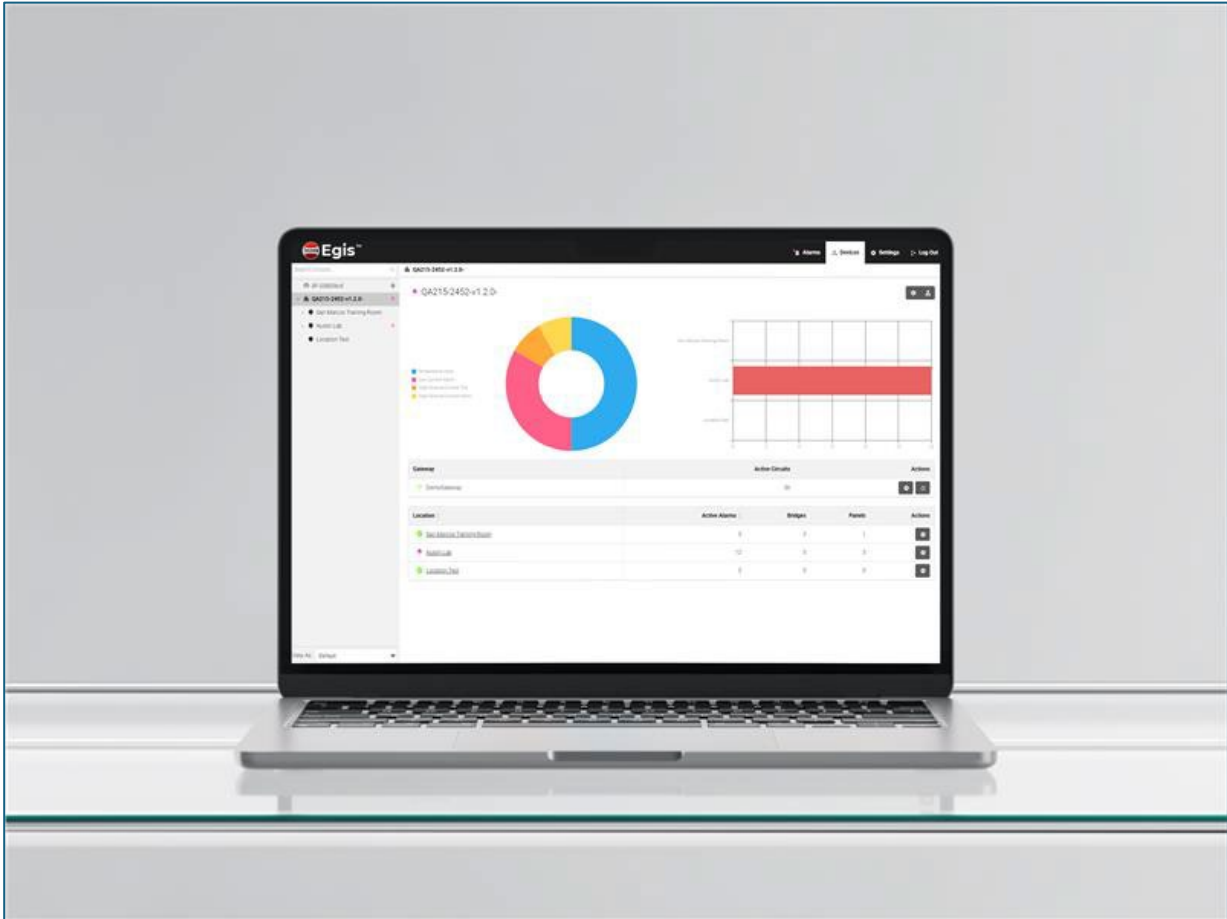


EGIS INSTALLATION GUIDE



Thermon Egis™ Platform



INSTALLATION GUIDE

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Version History

Version	Comments	Document Number
V1.0	Base version of the Thermon Egis Installation Guide	TEP0286-0226

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Installing/Upgrading Thermon Egis

I. System Requirements

Supported OPERATING SYSTEM	<ul style="list-style-type: none">• Microsoft Windows Server 2019 Standard (recommended)
Supported DATABASE	<ul style="list-style-type: none">• Microsoft SQL Server 2019 (recommended)• Microsoft SQL Server 2017
Supported BROWSERS	Microsoft Edge, Google Chrome, Firefox, Safari
HARDWARE	<ul style="list-style-type: none">• 1.4 GHz or faster processor (quad-core or better) <i>(2+GHz, 8 cores recommended)</i>• 32GB• Hard disk (SSD recommended) space: Minimum of 50 GB; typical installations require 250GB+ on the database server, depending on the number circuits installed and how long history is required to be retained.

II. Setup Procedure

This guide walks you through installing Thermon Egis Platform and performing post-installation configuration. Screenshots are included at relevant steps for clarity.

1. Installation Process

Step 1: Download the Software

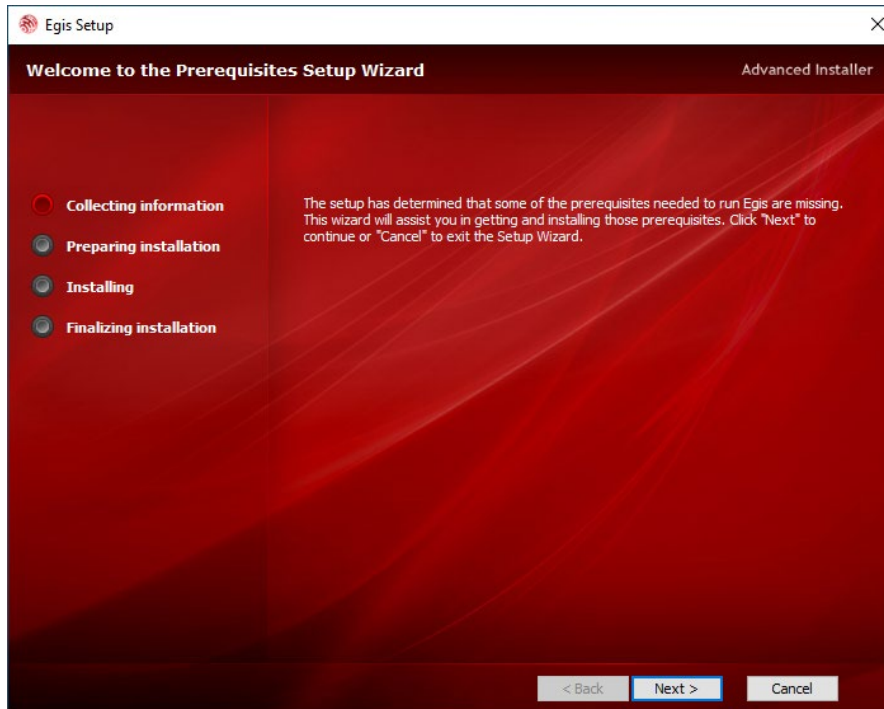
- Go to [Software Download | Thermon | Industrial Heating Solutions](#)
- **Download Thermon Egis Installer file.**

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Step 2: Start the Installation

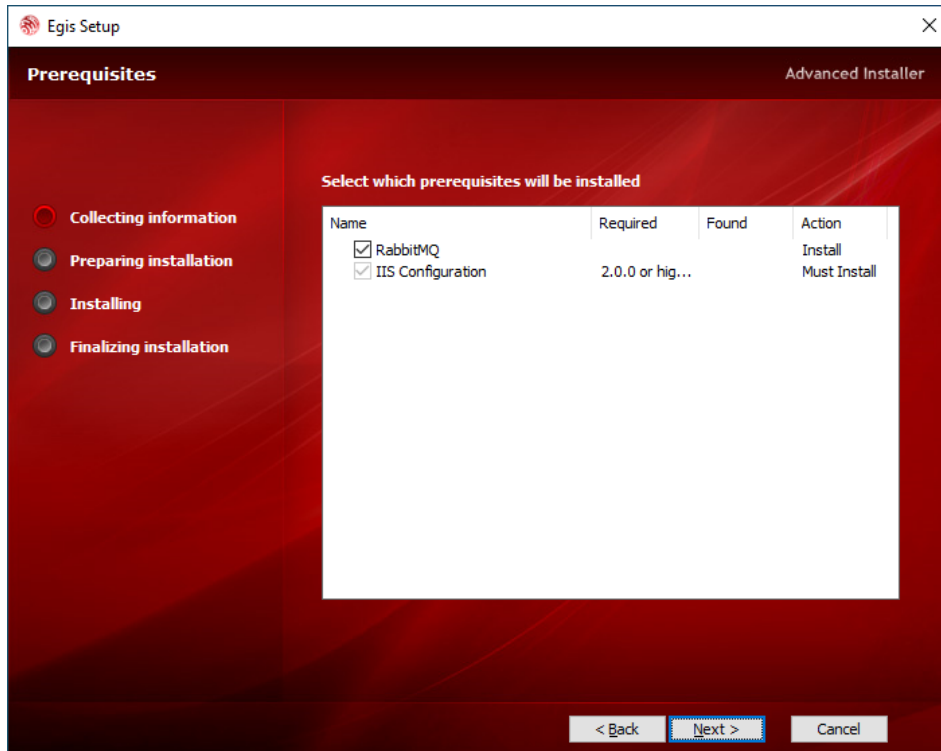
- Launch the Egis installer
- **Note:** Though the previous version of Egis (formerly called Genesis Server) does not need to be uninstalled, it is recommended if the previous version was v1.13.3 or lower.

Step 3: Select Prerequisites



- Two prerequisites are required:
 - **RabbitMQ**
 - RabbitMQ is not required to be installed on the same machine as Genesis Server - however, configuration of Genesis Server cannot complete unless an instance of RabbitMQ is available somewhere on the network.
 - **IIS Configuration**
 - This prerequisite must be installed on the same machine as Genesis Server

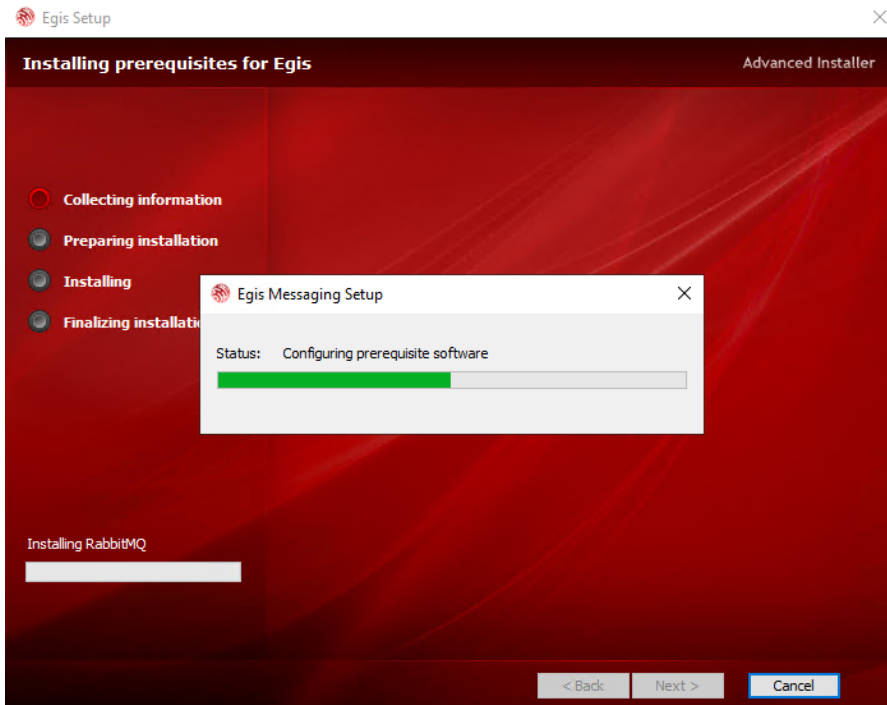
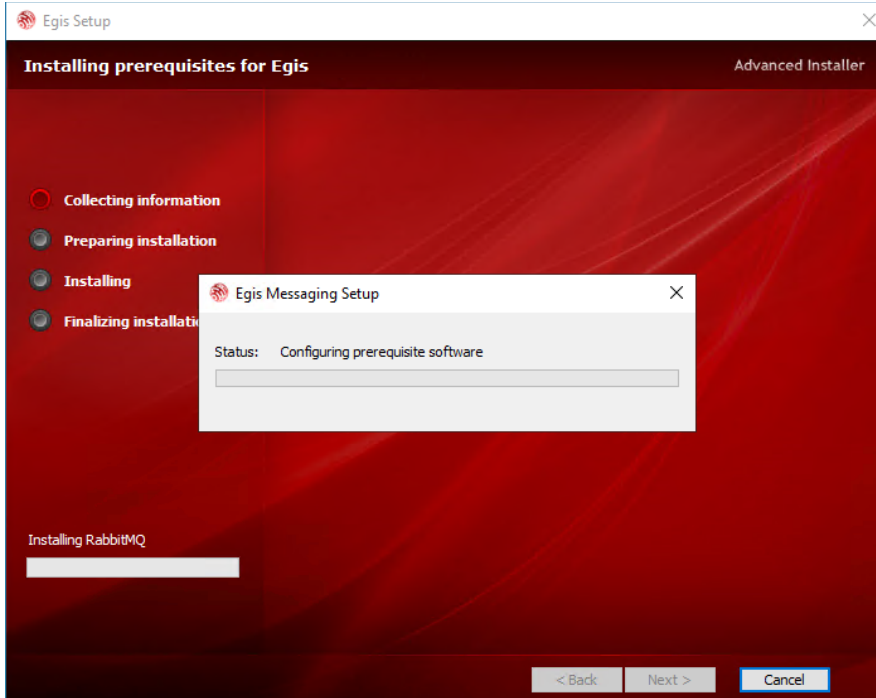
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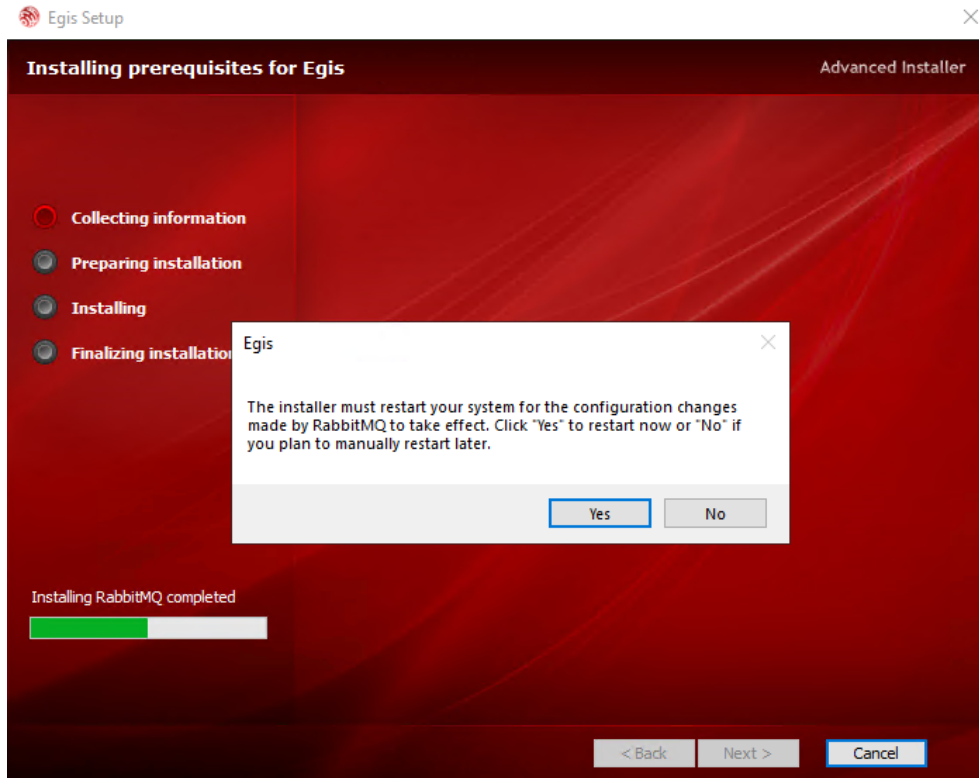
RabbitMQ

- If RabbitMQ is already installed, it will not be selected.
- RabbitMQ does **not** need to be on the same machine, but a RabbitMQ instance must be available on the network for final setup.
- The prerequisites package includes supported versions of **Erlang** and **RabbitMQ**.
- Installing RabbitMQ via the GS installer will:
 - Force a reboot for automatic configuration.
 - Resume installation automatically after reboot.

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After rebooting, a script will run that will configure RabbitMQ for use with Genesis Server. The successful output on a clean system will look like the following:

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```
C:\Windows\system32\cmd.exe
Configuring RabbitMQ for Thermon Egis

    1 file(s) copied.

Enabling plugins on node rabbit@ThermonEgis:
rabbitmq_management
The following plugins have been configured:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_web_dispatch
Applying plugin configuration to rabbit@ThermonEgis...
The following plugins have been enabled:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_web_dispatch

started 3 plugins.

Enabling plugins on node rabbit@ThermonEgis:
rabbitmq_mqtt
The following plugins have been configured:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_mqtt
  rabbitmq_web_dispatch
Applying plugin configuration to rabbit@ThermonEgis...
The following plugins have been enabled:
  rabbitmq_mqtt

started 1 plugins.

    1 file(s) copied.
Enabling plugins on node rabbit@ThermonEgis:
rabbitmq_message_timestamp
The following plugins have been configured:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_message_timestamp
  rabbitmq_mqtt
  rabbitmq_web_dispatch
Applying plugin configuration to rabbit@ThermonEgis...
The following plugins have been enabled:
  rabbitmq_message_timestamp

started 1 plugins.

Importing definitions in JSON from a file at "C:\Program Files\Thermon\Egis Messaging\RabbitMqDefinitions.json" ...
Successfully started definition import. This process is asynchronous and can take some time.

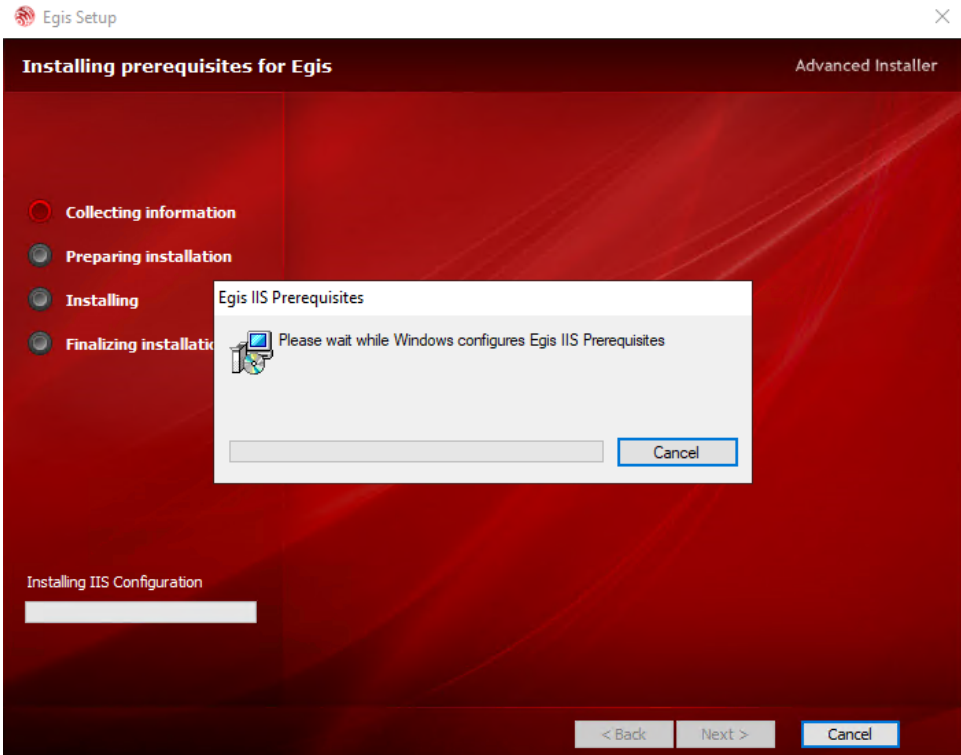
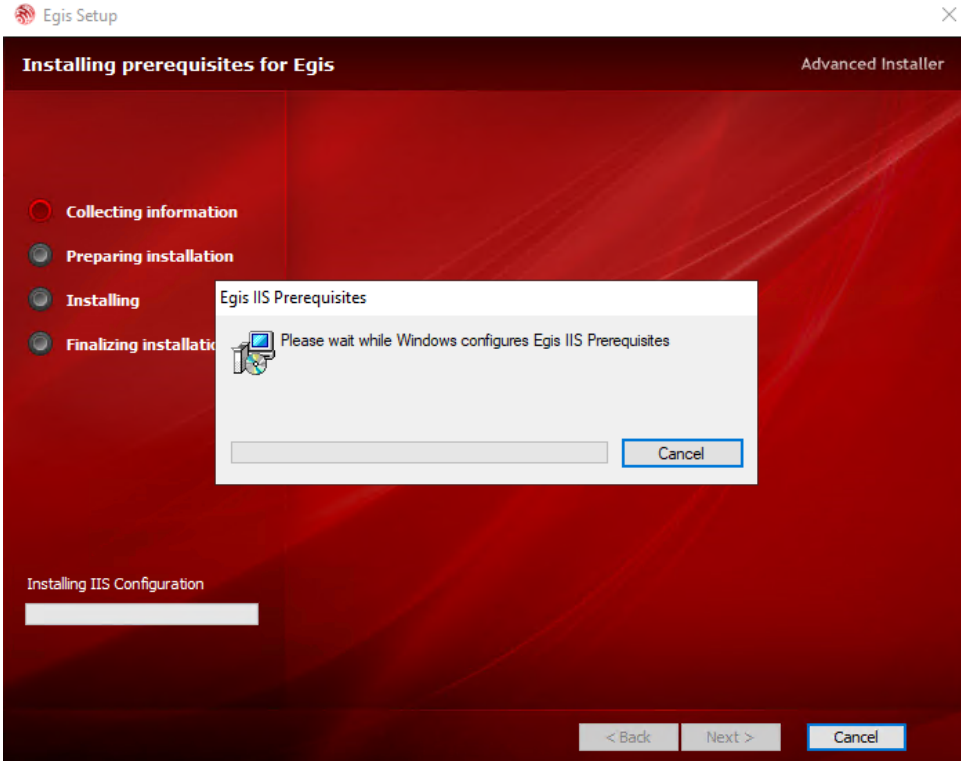
Deleting user "guest" ...

Waiting for 3_seconds, press CTRL+C to quit ...
```

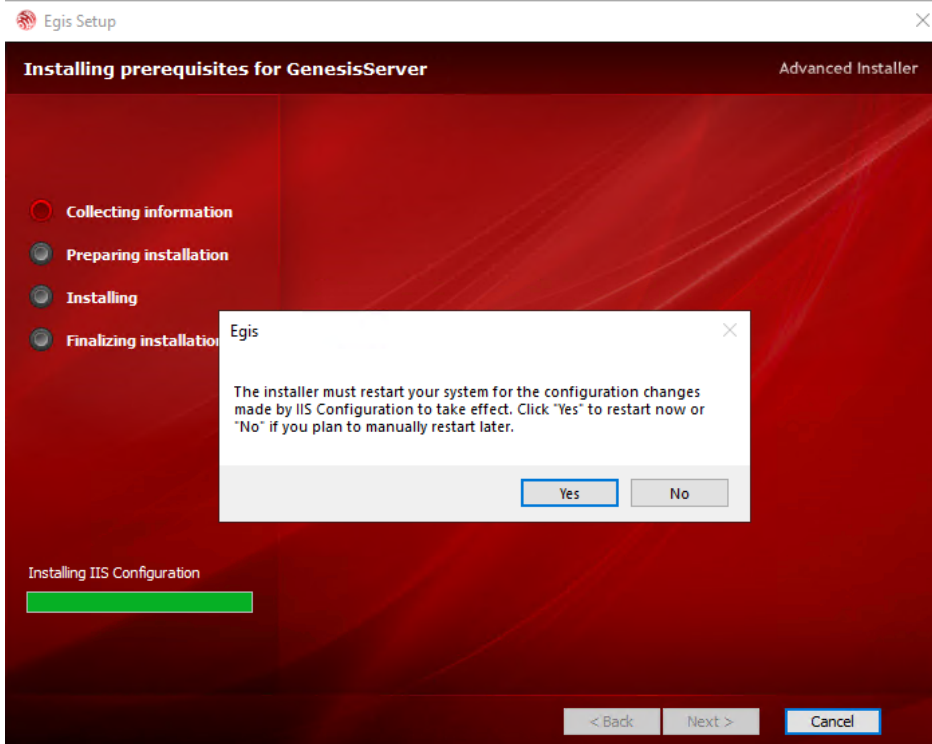
IIS Configuration

- Required for first-time Egis installations.
- Includes:
 - .NET Hosting Bundle
 - Request Router
 - URL Rewrite packages for IIS
- Installing IIS prerequisites will:
 - Force another reboot for one-time Request Router configuration.
 - Resume installation automatically after reboot.

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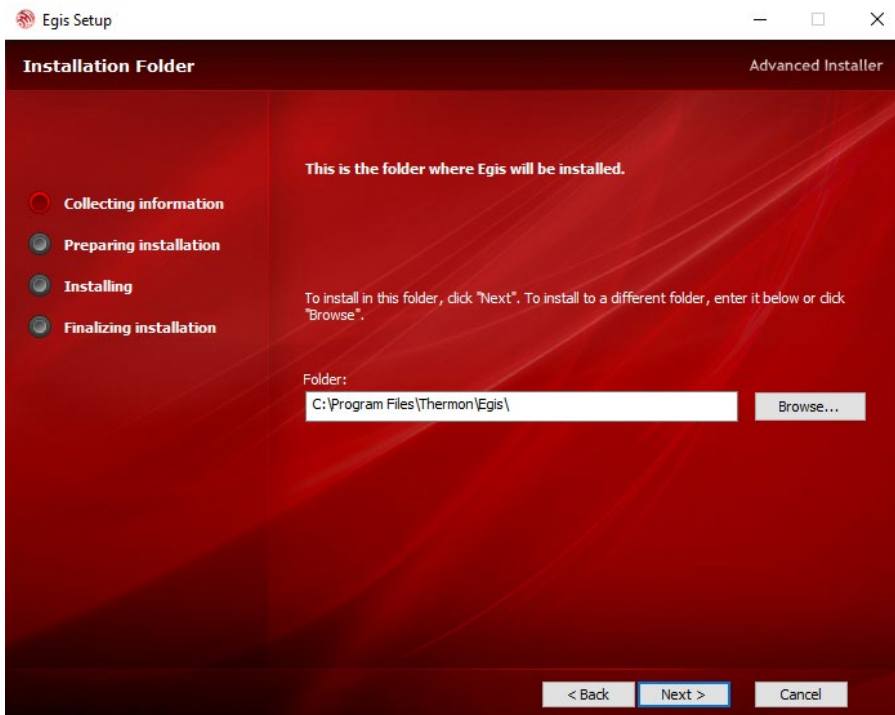


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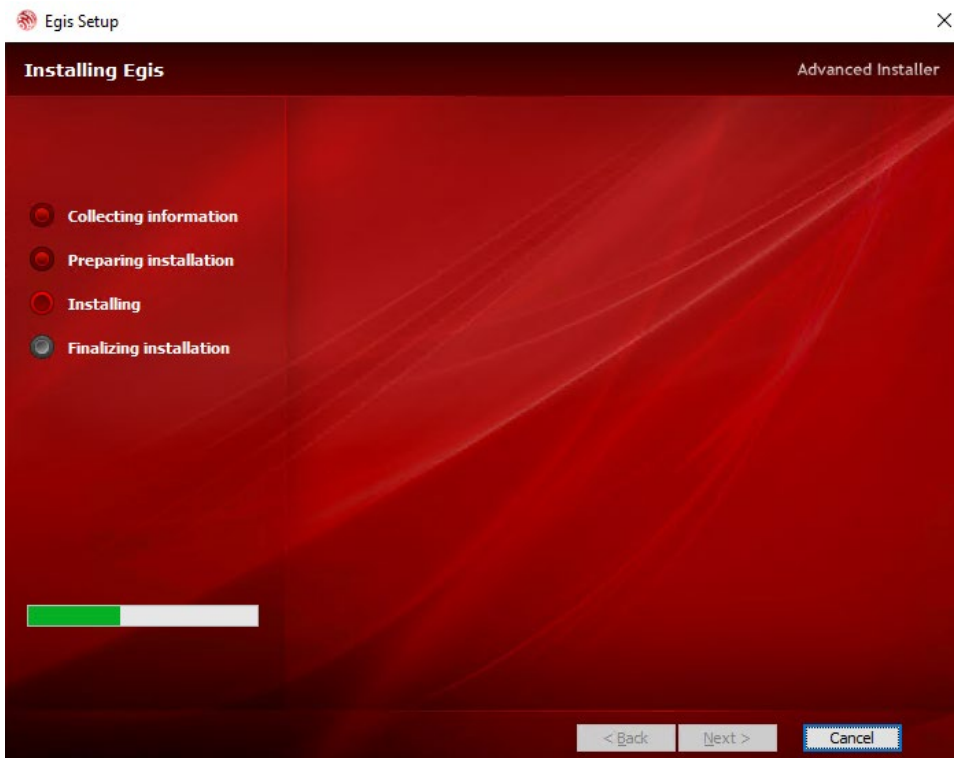
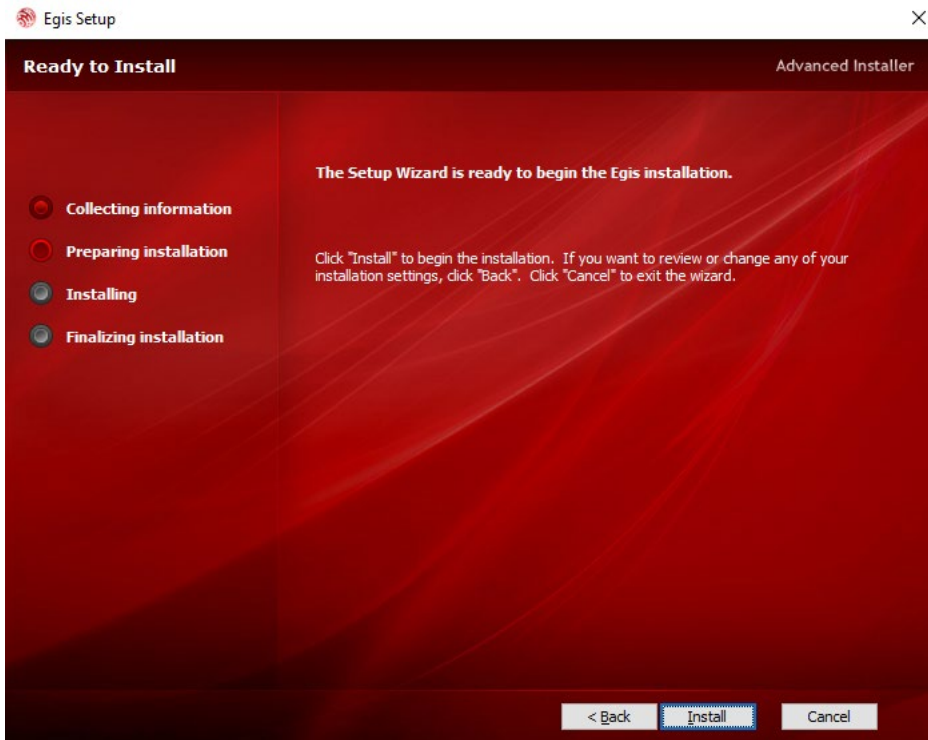
Step 4: License & Destination

- Accept or modify the installation destination.

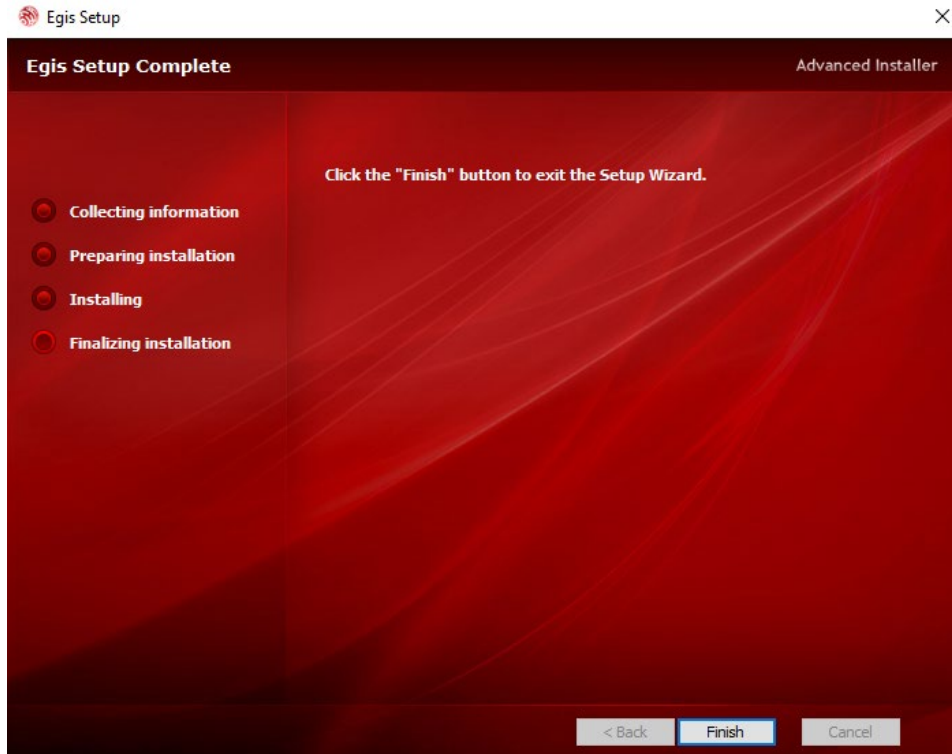


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- Continue and wait for installation to be completed.



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Step 5: Configurator

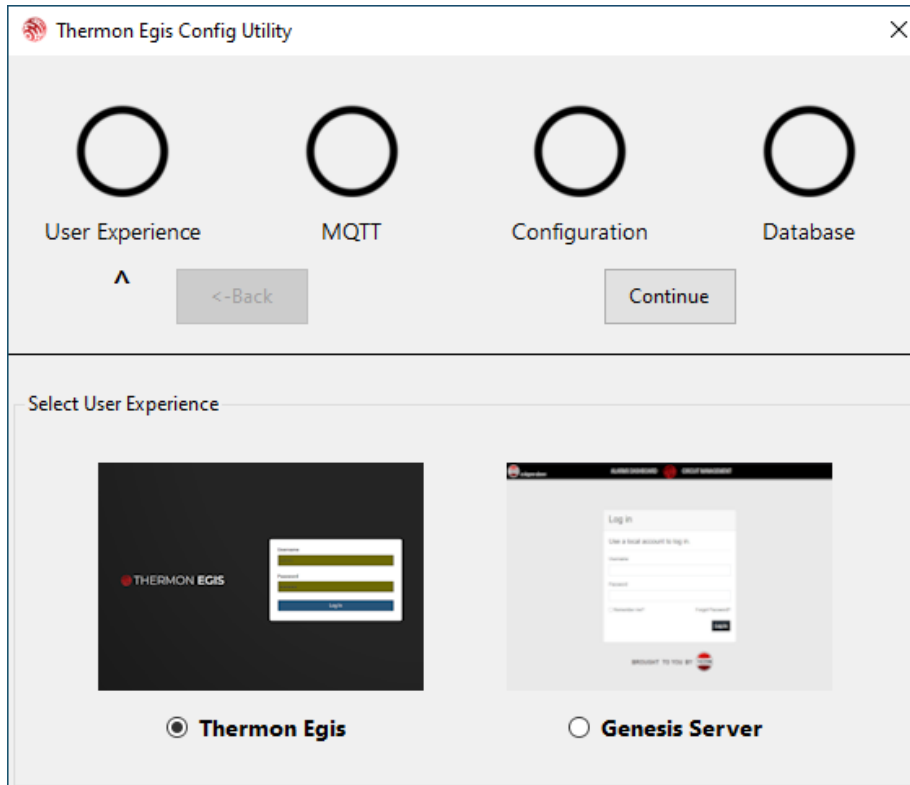
- After installation, the Configurator will be launched automatically.
- Press the 'Finish' button.

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2. Post-Installation Configuration

Interface Selection

- Choose **V1** (older UI) or **V2 (new UI)** interface.



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RabbitMQ Connection

The screenshot shows the 'Thermon Egis Config Utility' window. At the top, there are four progress indicators: 'User Experience' and 'MQTT' are marked with green checkmarks, while 'Configuration' and 'Database' are marked with empty circles. Below these are buttons for '<-Back' and 'Continue'. The main configuration area has two tabs: 'Connection' (selected) and 'Encryption'. Under the 'Connection' tab, there are four input fields: 'Server IP' with the value 'WIN-L4OGBJ82C36', 'Port' with '5672', 'User ID' with 'admin', and 'Password' with '*****'. A small eye icon is visible next to the password field. At the bottom of the window, a note states: '*Changing password here also requires changes/updates to both Gateway and Rabbit MQTT configurations via USB'.

Component	Status
User Experience	Completed (Green Checkmark)
MQTT	Completed (Green Checkmark)
Configuration	Pending (Empty Circle)
Database	Pending (Empty Circle)

Buttons: <-Back, Continue

Configuration Fields:

- Server IP: WIN-L4OGBJ82C36
- Port: 5672
- User ID: admin
- Password: *****

Footer Note: *Changing password here also requires changes/updates to both Gateway and Rabbit MQTT configurations via USB

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Additional Settings

The screenshot shows the 'Thermon Egis Config Utility' window. At the top, there are four progress indicators: 'User Experience', 'MQTT', and 'Configuration' are marked with green checkmarks, while 'Database' is marked with a black circle. Below these are buttons for '<-Back' and 'Continue'. The 'Continue' button is highlighted with an upward-pointing arrow. The lower section of the window contains configuration fields: 'Thermon Egis Web Location' with the value 'http://localhost', 'CORS - Allowed Origins' with the value '*localhost*', and two unchecked checkboxes: 'Require Alarm Note when Acknowledging' and 'Enable Web Console Logging'.

Component	Status
User Experience	Completed
MQTT	Completed
Configuration	Completed
Database	Active

Thermon Egis Web Location:

CORS - Allowed Origins:

Require Alarm Note when Acknowledging

Enable Web Console Logging

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Database Connection

The screenshot shows the 'Thermon Egis Config Utility' window. At the top, there are four progress indicators: 'User Experience', 'MQTT', and 'Configuration' are marked with green checkmarks, while 'Database' is marked with an empty circle. Below these are buttons for '<-Back' and 'Finish'. The 'Database' section is expanded, showing the following configuration:

Local Database Identity	
SQL Instance	.\GenesisServer
Primary Database	GenesisServer
Security Database	GenesisServerIdentity
OPC Database	GenesisOpcServer

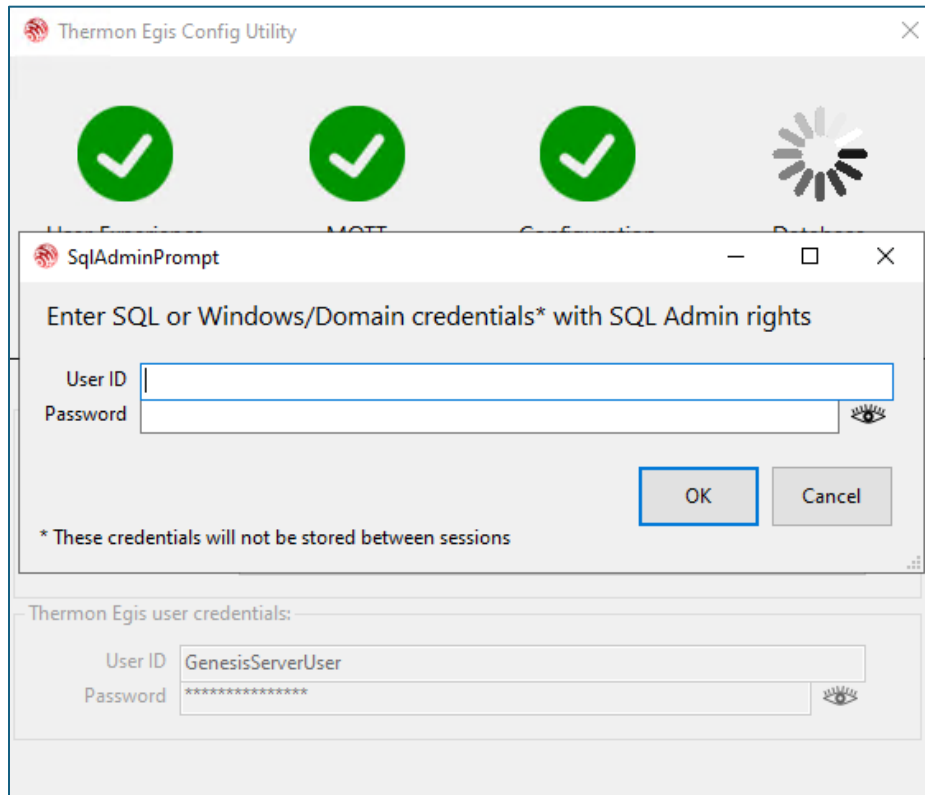
Below this, the 'Thermon Egis user credentials' section is expanded, showing:

User ID	GenesisServerUser
Password	*****

- Same as VI:
 - Existing clients: No changes needed.
 - New clients:
 - Ensure correct instance name.
 - Optionally define database names (useful for multiple GS instances on one server).
- Enter credentials for GS databases:
 - Created or updated during migration.
 - Minimal permissions, limited to GS databases.

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SQL Administrator Credentials

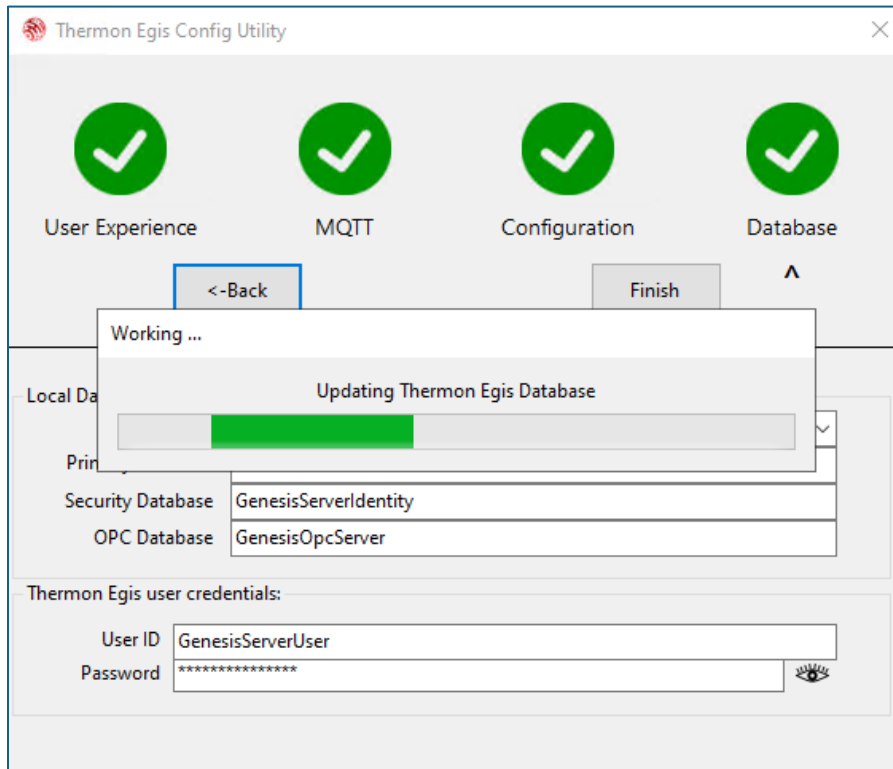


- Required to create/alter databases.
- Can be SQL or Windows/Domain credentials.
- **Security Note:** Credentials are stored only during the session and never persisted.

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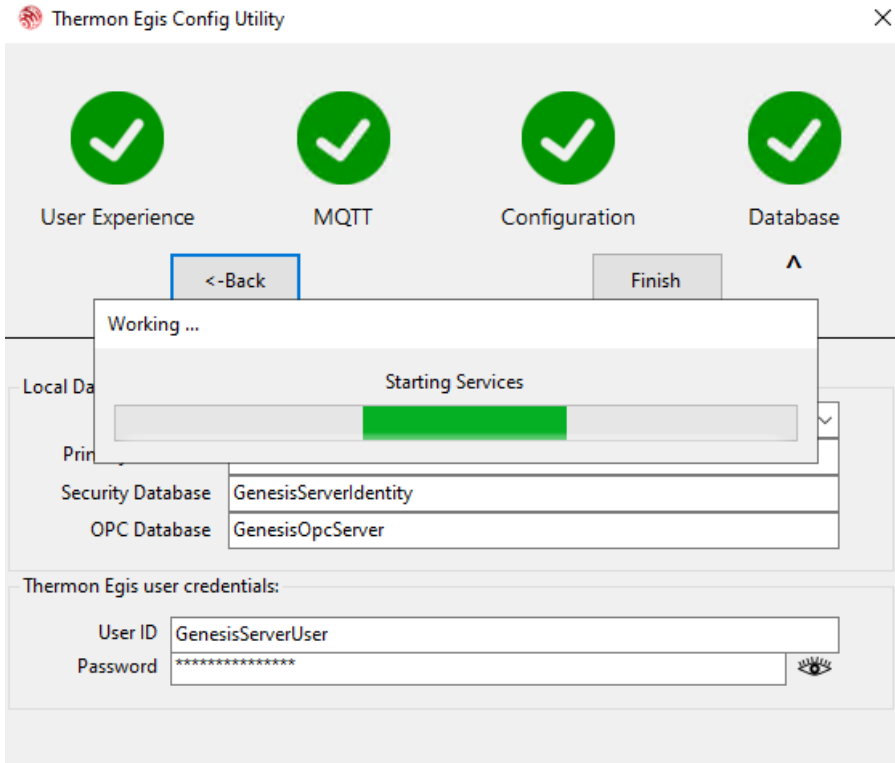
Final Steps

- After credentials are entered:
 - Services and IIS will shut down.
 - Database migrations will run.

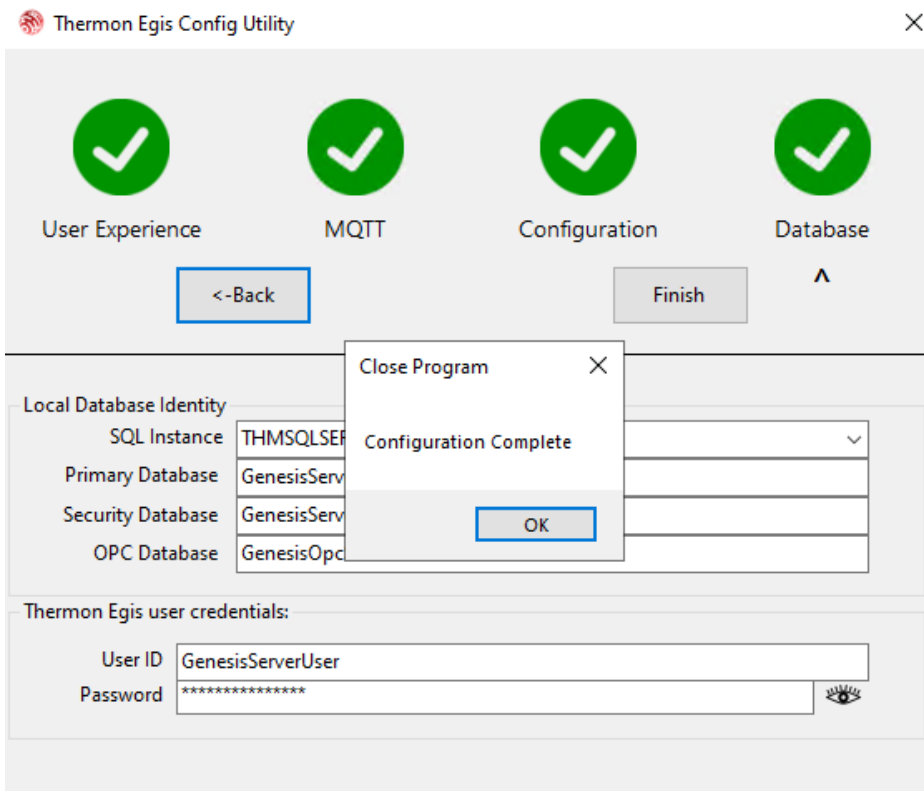


- Services and IIS will restart.

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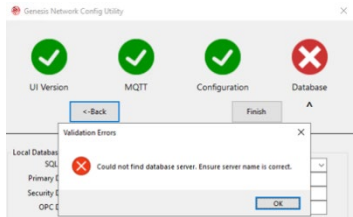
- Click **OK** to finish.



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Troubleshooting

Use the template below to capture issues during installation or configuration.

Description	Problem	Solution	Screenshot (optional)
Could not find database server. Ensure server name is correct.	The Database could not be contacted. Either the instance name is incorrect or invalid, or there's a network issue	<ol style="list-style-type: none">1. Check the spelling2. Check the availability of the server3. Ensure that the Instance name is specified, if there is one	 The screenshot shows the 'Genesis Network Config Utility' window. It has four progress indicators: 'UI Version' (green checkmark), 'MQTT' (green checkmark), 'Configuration' (green checkmark), and 'Database' (red X). Below these are buttons for '<- Back' and 'Finish'. A 'Validation Errors' dialog box is open, displaying a red X icon and the message: 'Could not find database server. Ensure server name is correct.' The dialog also has an 'OK' button. In the background, a list of configuration items is visible, including 'Local Database', 'SQL', 'Primary', 'Security', and 'OPC'.