

FAQ • 11/2015

# How to Add a Cipher Suite

Windows 2008 R2

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# 1 Overview

To support specific cryptographic protocols, such as TLS 1.2, new cipher suites may need to be added to a server or workstation. This document describes how to add cipher suites to servers running Windows Server 2008 R2.

For assistance, contact Siemens Customer Support.

## 2 Adding a Cipher Suite

To add a cipher suite to the list of suites offered by the server, do the following:

1. Click **Start**, type *gpedit.msc* in the search box, and then press **Enter**. The **Local Group Policy Editor** window appears.
2. In the left pane, expand **Computer Configuration, Administrative Templates, Network**, and then click **SSL Configuration Settings**.
3. In the right pane, double-click **SSL Cipher Suite Order**. The **SSL Cipher Suite Order** dialog box appears.
4. Select **Enabled**. The box below **SSL Cipher Suites** (under **Options**) fills and becomes editable.
5. Select and copy the text from the box.
6. Open a text editor (e.g. Notepad) and paste the contents. This is the full list of cipher suites currently offered by the server. Each suite is separated by a comma (,).

### NOTE

The list of cipher suites is limited to 1023 characters. If required, remove suites from the end of the string until the complete list is ≤ 1023 characters in length.

7. Add the desired cipher suite to the beginning of the list, making sure it is followed by a comma (,). For example:

```
TLS_RSA_WITH_AES_128_CBC_SHA256,TLS_RSA_WITH_AES_128_CBC_SHA,TLS_RSA_WITH_AES_256_CBC_SHA256,TLS_RSA_WITH_AES_256_CBC_SHA
```

8. Copy the updated list into the box in the **SSL Cipher Suite Order** dialog box.
9. Click **OK**.
10. Restart the server.

## 3 Customer Support

Customer support is available 24 hours, 7 days a week for all Siemens customers. For technical support or general information, please contact Siemens Customer support through any one of the following methods:

- **Online**

Visit <http://www.siemens.com/automation/support-request> to submit a Support Request (SR) or check on the status of an existing SR.

- **Telephone**

Call a local hotline center to submit a Support Request (SR). To locate a local hotline center, visit <http://www.automation.siemens.com/mcms/aspa-db/en/automation-technology/Pages/default.aspx>.

- **Mobile App**

Install the Industry Online Support app by Siemens AG on any Android, Apple iOS or Windows mobile device and be able to:

- Access Siemens' extensive library of support documentation, including FAQs, manuals, and much more
- Submit SRs or check on the status of an existing SR
- Find and contact a local contact person
- Ask questions or share knowledge with fellow Siemens customers and the support community via the forum
- And much more...

## 4 History

Table 4-1

Version	Date	Modifications
1	11/2015	Initial release