

# Starling Two-Factor AD FS Adapter 7.0

## Release Notes

### May 2019

These release notes provide information about the Starling Two-Factor AD FS Adapter release.

## About this release

AD FS Adapter integrates with Microsoft Active Directory Federation Services (AD FS) to add two-factor authentication to services using browser-based federated logins. AD FS Adapter supports relying parties that use Microsoft WS-Federation protocol, such as Office 365, as well as SAML 2.0 federated logons for cloud apps such as Google Apps and Salesforce.com. AD FS Adapter supports Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019.

## New Features

Updates in AD FS Adapter 7.0:

- Starling Two-Factor AD FS Adapter Configuration User Interface (UI) has been simplified and re-designed to streamline configuration of AD FS Adapter.
- Support for AD FS paginated sign-in in AD FS 2019.
- Support for LDAP over SSL.

# Enhancements

The following is a list of enhancements implemented in AD FS Adapter 7.0.

**Table 1: General enhancements**

Enhancement	Issue ID
You can now connect your AD FS Adapter instance directly to your Starling account.	34680
You can configure and use alternate AD attributes to read the user's email address and phone number.	79474
Support for installation of AD FS Adapter on Windows Server 2016 machines with AD FS 4.0.	15781
Support for installation of AD FS Adapter on Windows Server 2019 machines with AD FS 2019.	70145

# Resolved issues

The following is a list of issues addressed in this release.

**Table 2: Resolved issues**

Resolved Issue	Issue ID
SMTP domains are not supported by Starling Two-Factor AD FS Adapter	53711

# System requirements

Before installing AD FS Adapter 7.0, ensure that your system meets the following minimum system requirements. You can install AD FS Adapter on physical computers or virtual machines.

**Table 3: System requirements**

Requirement	Details
Processor	1.4 GHz or faster, x64 architecture
Memory (RAM)	4 GB

Requirement	Details
Hard disk space	50 MB or more
Operating system	<ul style="list-style-type: none"> <li>• Windows Server 2012 R2</li> <li>• Windows Server 2016</li> <li>• Windows Server 2019</li> </ul>
Additional Requirements	<ul style="list-style-type: none"> <li>• Microsoft .NET Framework 4.6.2 or later</li> <li>• PowerShell 4.0 or later</li> <li>• AD FS role must be installed</li> </ul>

## Product licensing

Use of this software is governed by the Software Transaction Agreement found at [www.oneidentity.com/legal/sta.aspx](http://www.oneidentity.com/legal/sta.aspx). This software does not require an activation or license key to operate.

## Installation instructions

For installation instructions, see *Starling Two-Factor AD FS Adapter Administration Guide*.

## Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan. It supports bidirectional writing (Arabic and Hebrew). The release supports Complex Script (Central Asia – India, Thailand).

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- View Knowledge Base articles
- Sign up for product notifications
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- View how-to-videos at [www.YouTube.com/OneIdentity](http://www.YouTube.com/OneIdentity)
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

## Third-party contributions

This product contains some third-party components (listed below). Copies of their licenses may be found at referencing <https://www.oneidentity.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (\*) is available at <http://opensource.quest.com>.

**Table 4: List of Third-Party Contributions**

<b>Component</b>	<b>License or Acknowledgement</b>
libphonenumber-csharp 8.8.11	Copyright © Original Java code is Copyright (C) 2009-2017 Google Inc. License: Apache 2.0
Log4Net 2.0.8	Copyright 2004-2017 The Apache Software Foundation License: Apache 2.0
Microsoft.IdentityModel.JsonWebTokens 5.4.0	Copyright © Microsoft Corporation. All rights reserved. License: MIT N/A
Microsoft.IdentityModel.Logging 5.4.0	Copyright © Microsoft Corporation. All rights reserved. License: MIT N/A
Microsoft.IdentityModel.Tokens 5.4.0	Copyright © Microsoft Corporation. All rights reserved. License: MIT N/A
Newtonsoft.Json 12.0.1	Copyright © 2007 James Newton-King License: MIT N/A
System.IdentityModel.Tokens.Jwt 5.4.0	Copyright © Microsoft Corporation. All rights reserved. License: MIT N/A

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