Amazon Web Services Guide

With PINgrid, PINphrase & PINpass Technology

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Introduction

Authlogics Authentication Server is a multi-factor authentication system which is pre-integrated with Amazon Web Services and is available as an Amazon Machine Image (AMI) for rapid deployment.

This guide outlines the basic prerequisites to complete a successful setup of Authlogics in AWS.

Full product documentation, which includes step by step setup, is available here:

https://authlogics.com/download/authlogics-authentication-server-installation-and-configuration-guide/

The Authlogics Amazon Machine Image

The Authlogics AMI includes a full version of the Authlogics Authentication Server running on Windows Server 2016. The VM is pre-configured for out of the box usage however it does require access to a Directory Service. The built in Directory Configuration Wizard assists in this process however you first need to make a Directory Service database available to the Authentication Server.

Choosing a Directory Service

To complete the Directory Configuration Wizard process you will need to have an available directory. Options include:

- Active Directory Domain (typical)
- Microsoft SQL Server (separate server)
- Microsoft SQL Server Express 2016 (local)

Active Directory

It is recommended to use Active Directory as the directory service if the majority of the user accounts already exist in Active Directory. This avoids having to synchronise and maintain separate user databases by making use of existing infrastructure.

To make use of Active Directory simply join the Windows machine to an Active Directory Domain. The Directory Configuration Wizard will locate the Windows Domain automatically and configure it for use.

> ✎ **Note**
>
> Virtual Active Directory instances hosted by AWS or Azure are currently not compatible with Authlogics Authentication Server. The Active Directory MUST be hosted on a Windows Server Domain Controller which may be located on-prem or on a VM in a private cloud.

Microsoft SQL Server (remote)

Using a dedicated Microsoft SQL Server/cluster is recommended in large hosting environments where user accounts do not already exist in Active Directory.

If you choose to use a dedicated SQL server simply enter the DNS name of a SQL server during the Directory Configuration Wizard and the wizard will configure SQL server accordingly.

Microsoft SQL Server Express 2016 (local)

When a standalone solution is required via a single server, then a local SQL Server Express 2016 database is an ideal directory service and has no external requirements.

If this is a preferred option you can easily install an Authlogics SQL Server Express 2016 instance from the Authlogics Setup program as follows:
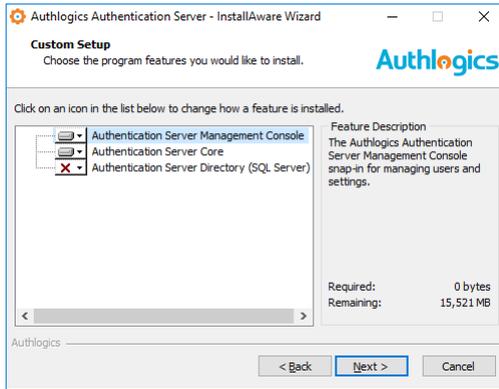
(1)   Open Program and Features in Control Panel…
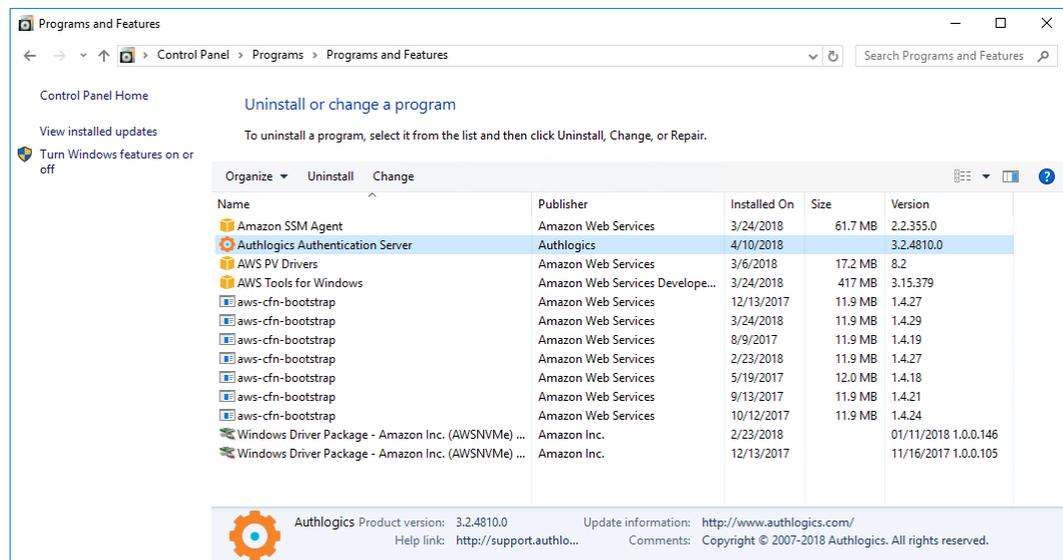
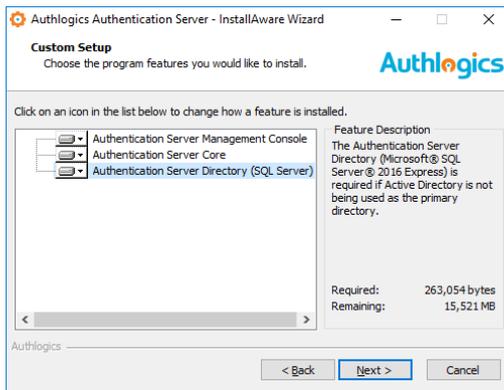(2)   Select the Authlogics Authentication Server and click *Change*… to launch the installer.
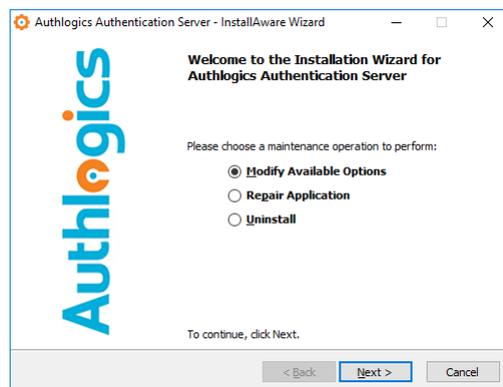
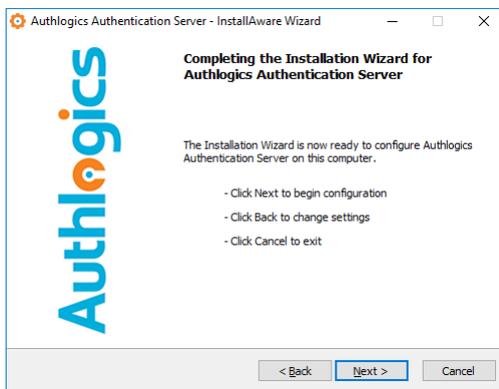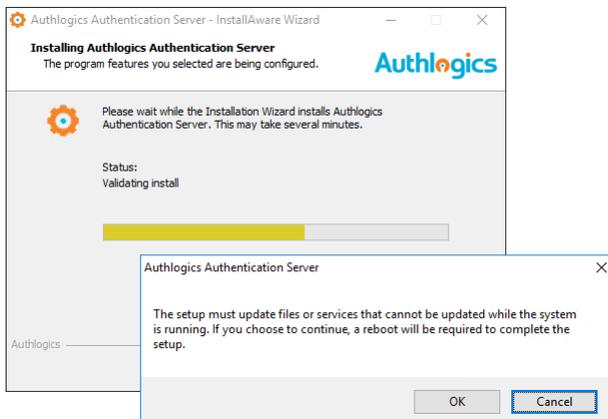(3)   Select Modify Available Options and click *Next* to continue.

(4)   Click *Authentication Server Directory (SQL Server)* and select *Will be installed on local hard drive*.
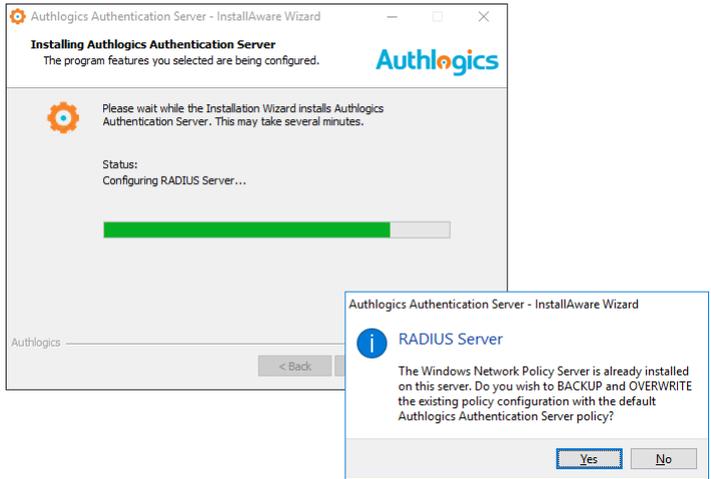

(5)   Click *Next* to continue.
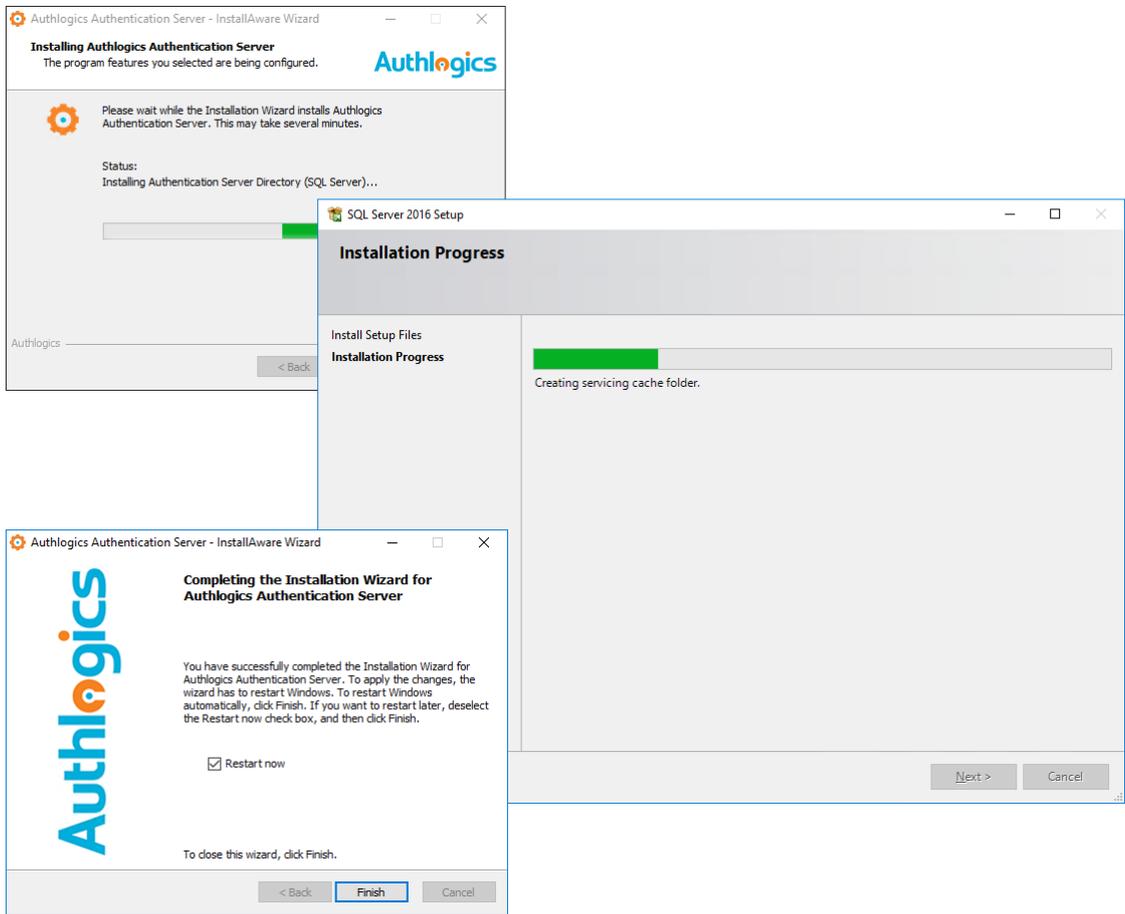

(6)   Click *Next* to continue.

(7)   Click *Ok* to acknowledge that a reboot will be required.

(8)   Click *No* to answer the RADIUS Server question.

Setup will now install the Authlogics SQL Server 2016 Express instance…

(9)   Click *Finish* to complete the setup and reboot the server.

After the reboot start the **Authlogics Authentication Server Management Console** from the desktop icon to begin the Directory Configuration Wizard.