# Authogics

# **Amazon Web Services Guide**

# With PINgrid, PINphrase & PINpass Technology

#### Product Version: 3.2.4810.0

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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...

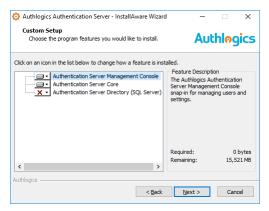
Programs and Features					- 0	×
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	Name	Publisher	Installed On	Size	Version	
	间 Amazon SSM Agent	Amazon Web Services	3/24/2018	61.7 MB	2.2.355.0	
	O Authlogics Authentication Server	Authlogics	4/10/2018		3.2.4810.0	
	📔 AWS PV Drivers	Amazon Web Services	3/6/2018	17.2 MB	8.2	
	📔 AWS Tools for Windows	Amazon Web Services Develope	3/24/2018	417 MB	3.15.379	
	📧 aws-cfn-bootstrap	Amazon Web Services	12/13/2017	11.9 MB	1.4.27	
	📧 aws-cfn-bootstrap	Amazon Web Services	3/24/2018	11.9 MB	1.4.29	
	📧 aws-cfn-bootstrap	Amazon Web Services	8/9/2017	11.9 MB	1.4.19	
	📧 aws-cfn-bootstrap	Amazon Web Services	2/23/2018	11.9 MB	1.4.27	
	📧 aws-cfn-bootstrap	Amazon Web Services	5/19/2017	12.0 MB	1.4.18	
	📧 aws-cfn-bootstrap	Amazon Web Services	9/13/2017	11.9 MB	1.4.21	
	📧 aws-cfn-bootstrap	Amazon Web Services	10/12/2017	11.9 MB	1.4.24	
	💐 Windows Driver Package - Amazon Inc. (AWSNVMe)	Amazon Inc.	2/23/2018		01/11/2018 1.0.0.146	
	💐 Windows Driver Package - Amazon Inc. (AWSNVMe)	Amazon Inc.	12/13/2017		11/16/2017 1.0.0.105	
Authlogics Product version: 3.2.4810.0 Update information: http://www.authlogics.com/						
	Help link: http://suppor	t.authlo Comments: Cop	yright © 2007-	2018 Authlogics	s. All rights reserved.	

(2) Select the Authlogics Authentication Server and click *Change*... to launch the installer.

🧿 Authlogics Authentication Server - InstallAware Wizard 🛛 – 🗌 🗙				×
<u>S</u>	Welcome to the Installat Authlogics Authenticatio		for	
Authlog	Please choose a maintenance ope Modify Available O Regair Application Uninstall	ptions	m:	
	To continue, click Next.			
	< <u>B</u> ack	<u>N</u> ext >	Canc	el

(3) Select Modify Available Options and click *Next* to continue.





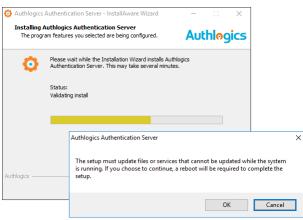
(4) Click Authentication Server Directory (SQL Server) and select Will be installed on local hard drive.

O Authlogics Authentication Server - InstallAware Wizard	– 🗆 X
Custom Setup Choose the program features you would like to install.	Authlogics
Click on an icon in the list below to change how a feature is inst - Authentication Server Management Console - Authentication Server Core Authentication Server Directory (SQL Server)	alled. Feature Description The Authentication Server Directory (Microsoft@ SQL Servers) 216 Express) is servers) 216 Express) is being used as the primary directory. Required: 263,054 bytes Remaining: 15,521 MB
Authlogics	
< <u>B</u> ack	Next > Cancel

#### (5) Click Next to continue.

😳 Authlogics Authenticat	ion Server - InstallAware Wizard — 🗌 🗙	
<u>S</u>	Completing the Installation Wizard for Authlogics Authentication Server	
<b>O</b>	The Installation Wizard is now ready to configure Authlogics Authentication Server on this computer.	
	- Click Next to begin configuration	
	- Click Back to change settings	
	- Click Cancel to exit	
Auth		
	< <u>B</u> ack <u>N</u> ext > Cancel	

(6) Click *Next* to continue.



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



O Authlogics	Authentication Server - InstallAware Wizard	– 🗆 X	]
	Authlogics Authentication Server am features you selected are being configured.	Authlogics	
0	Please wait while the Installation Wizard installs A Authentication Server. This may take several minu		
	Status: Configuring RADIUS Server		
		Authlogics Authentication Se	rver - InstallAware Wizard
Authlogics	< Back		ork Policy Server is already installed wish to BACKUP and OVERWRITE
		the existing policy of	onfiguration with the default cation Server policy?
			<u>Y</u> es <u>N</u> o

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

Installing A	Authentication Server - InstallAware Wizar Authlogics Authentication Server am features you selected are being configured				
0	Please wait while the Installation Wizard inst Authentication Server. This may take severa	alls Authlogics I minutes.			
	Status: Installing Authentication Server Directory (S	QL Server)			
		📸 SQL Server 2016 Setup	-		×
		Installation Progress			
Authlogics ——	< Back	Install Setup Files Installation Progress			
			Creating servicing cache folder.		
Authlogics	Authentication Server - InstallAware Wizar	d – 🗆 X			
Ľ	Completing the Inst Authlogics Authenti				
Authlooire	You have successfully com Authlogics Authentication S wizard has to restart Windh automatically, click Finish. I the Restart now check box	f you want to restart later, deselect			
÷	Restart now		Next >	Cance	리 .
	To close this wizard, click Fi	nish.			
	< Back	Finish Cancel			

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.

