

**Boldon James**

A QINETIQ company

# Classifier Administration Server Installation Guide

UM646200

June 2019



Gold  
Microsoft Partner



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Customer Documentation

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# 1 INTRODUCTION

This guide is to aid administrators installing and configuring the Classifier Administration Server in both production and evaluation environments.

The Boldon James Classifier Administration Server package is a management toolset providing the ability to create a Labelling policy and define clearance values for users and remote email domains. The policy and clearances can then be used to control the operation of features within Boldon James Classifier applications such as Email Classifier and Office Classifier.

The Classifier Administration applications consist of:

- Classifier Administration Server
- PowerShell Administration

## 1.1 Classifier Administration Server

This Web Service provides the ability to create a Labelling policy definition that can be stored in Active Directory, as a set of XML files stored on the file system or a downloadable file hosted on a website.

The key benefits of the Server compared to the Classifier Administration Console are:

- Centralized administration
- Delegated administration
- Multi-User Access

## 1.2 PowerShell Administration

This optional installation feature allows you to do all the things you can do with Classifier Administration Server but through PowerShell. For further information on PowerShell Administration read the **PowerShell Getting Started Guide** supplied in the **Classifier Documentation\Quick Start** folder.

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**NOTE:** The PowerShell feature is licenced separately. Please contact Boldon James Sales or Support for further information.

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## 2 INSTALLATION

### 2.1 System Requirements

#### 2.1.1 Hardware

- 64-bit PC

#### 2.1.2 Operating System

- Windows 7 (64 bit)
- Windows 8.1 (64 bit)
- Windows 10 (64 bit)
- Windows Server 2008 R2
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016

#### 2.1.3 Pre-requisites

- Microsoft .NET framework 4.7.2
- PowerShell 5.0

#### 2.1.4 Windows Features

This section describes the Features and Web Server (IIS) Roles that must be installed before installing Classifier Administration Server.

	Server 2012 R2 and Server 2016	Windows 8.1 and Windows 10	Windows 7 and Server 2008 R2
ASP.NET 3.5			*
ASP.NET 4.6	*	*	

#### Web Server (IIS) Roles (under Windows Server Roles)

	Server 2012 R2 and Server 2016	Windows 8.1 and Windows 10	Windows 7 and Server 2008 R2
IIS Management Console	*	*	*
.NET Extensibility 3.5			*
.NET Extensibility 4.6	*	*	
Default Document	*	*	*
HTTP Errors	*	*	*
Dynamic Content Compression	*	*	*
Static Content Compression	*	*	*
ISAPI Extensions	*	*	*
ISAPI Filters	*	*	*
Logging Tools	*	*	*
Request Filtering	*	*	*
Static Content	*	*	*
Windows Authentication	*	*	*

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To enable all the pre-requisites for your platform, use one of the following commands in an elevated command prompt/PowerShell session:

### Server 2012, 2012 R2, or 2016

```
dism.exe /online /enable-feature /all /featurename:NetFx4Extended-ASPNET45  
/featurename:NetFx4 /featurename:IIS-NetFxExtensibility45 /featurename:IIS-  
WebServerManagementTools /featurename:IIS-DefaultDocument /featurename:IIS-  
ASPNET45 /featurename:IIS-ISAPIExtensions /featurename:IIS-ISAPIFilter /featurename:IIS-  
RequestFiltering /featurename:IIS-StaticContent /featurename:IIS-HttpCompressionDynamic  
/featurename:IIS-HttpCompressionStatic /featurename:IIS-HttpErrors /featurename:IIS-  
LoggingLibraries /featurename:IIS-WindowsAuthentication
```

### Windows 8.1 and Windows 10

```
dism.exe /online /enable-feature /all /featurename:IIS-ManagementConsole  
/featurename:IIS-ASPNET45 /featurename:IIS-DefaultDocument /featurename:IIS-  
ISAPIExtensions /featurename:IIS-ISAPIFilter /featurename:IIS-HttpErrors /featurename:IIS-  
NetFxExtensibility45 /featurename:IIS-RequestFiltering /featurename:NetFx4Extended-  
ASPNET45 /featurename:IIS-StaticContent /featurename:IIS-HttpCompressionDynamic  
/featurename:IIS-HttpCompressionStatic /featurename:IIS-WindowsAuthentication  
/featurename:IIS-LoggingLibraries
```

### Server 2008 R2 and Windows 7

```
dism.exe /online /enable-feature /featurename:IIS-CommonHttpFeatures /featurename:IIS-  
WebServer /featurename:IIS-WebServerRole /featurename:IIS-StaticContent  
/featurename:IIS-RequestFiltering /featurename:IIS-DefaultDocument /featurename:IIS-  
ManagementConsole /featurename:IIS-HttpErrors /featurename:IIS-  
HttpCompressionDynamic /featurename:IIS-ISAPIFilter /featurename:IIS-ISAPIExtensions  
/featurename:IIS-HttpCompressionStatic /featurename:IIS-ASPNET /featurename:IIS-  
NetFxExtensibility /featurename:IIS-WindowsAuthentication /featurename:IIS-  
LoggingLibraries
```

#### 2.1.5 Supported Web Browsers

The Classifier Administration Server supports the following web browsers. Google Chrome is the recommended web browser.

- Google Chrome
- Microsoft Edge
- Internet Explorer 11
- Safari
- Opera

## 2.2 Maintenance of Existing Classifier Configurations

Make a **secure backup of your existing configuration**. Do this by publishing your current configuration using your existing administrative tool to a file system location that you can access.  
[boldonjames.com](http://boldonjames.com)

You can then manually copy the entire contents of that location to a secure backup location for safekeeping.

If you are transitioning from the Classifier Administration Console product to the Classifier Administration Server, we recommend reading the **Administration Transition Guide** supplied in the **Classifier Documentation\Quick Start** folder. This document highlights the key differences between the two products and should minimise the time required to become familiar with the new software.

### 2.3 User Accounts for Installation

The account running the installer must have Administrator privileges on the machine running the installer, this is necessary to allow for special service, registry and folder access during the installation.

In addition, a user account will be requested during the installation process. This account is used for running the Classifier Administration Server. The account requires minimal permissions for which a standard local or domain user would suffice. If you intend to publish data to Active Directory or network shares, the account must also have permissions to read and write to those locations.

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The account used for running the Classifier Administration Server can only be changed by uninstalling and reinstalling the Classifier Administration Server. When reinstalling the Classifier Administration Server enter the user account when requested during the installation process.

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### 2.4 Before installation

Please ensure the criteria below is completed as detailed in the previous sections:

- Pre-Requisites and Windows Features are installed correctly
- Existing configuration is backed up
- Have the relevant user accounts and logon credentials to hand

### 2.5 Upgrading from previous versions

To upgrade from a previous version follow these simple steps:

- Uninstall the old version.
- Install the new version.
- Run the new version.
- For new customers, evaluation licences can be found in the Base Bundle
- When the console starts, under Global Settings add a licence.

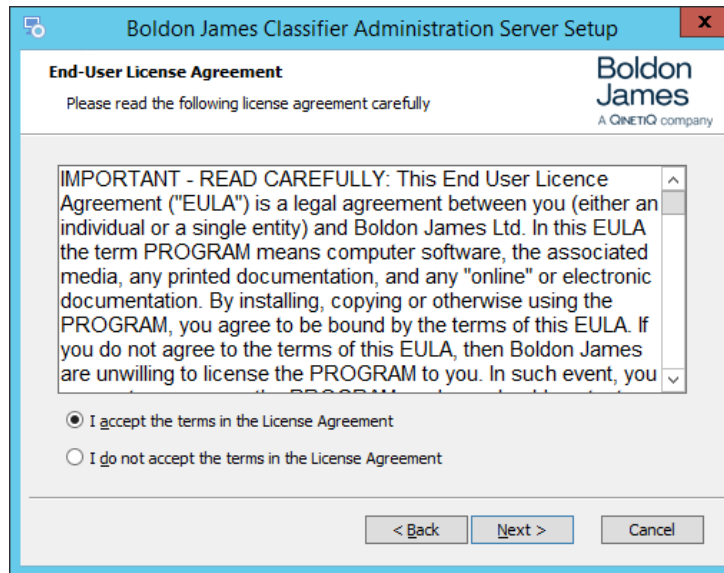
It should be noted that when moving to a newer version of Classifier:-

- When new rules are added the old versions can no longer be created. Existing instances of the old rules will still operate but can no longer be edited. If you need to edit the rule then a new rule must be added to the configuration, and the old one deleted.
- When new rules are added they may have associated default User Defined Messages that are used when the rule is created. The new User Defined Messages are only available if you create a new configuration. Therefore, if you upgrade your Classifier Administration version and add a newly introduced rule, the existing configuration will have no default message for this rule. In this case you will need to choose an existing User Defined Message, or create a new one to associate with the rule.

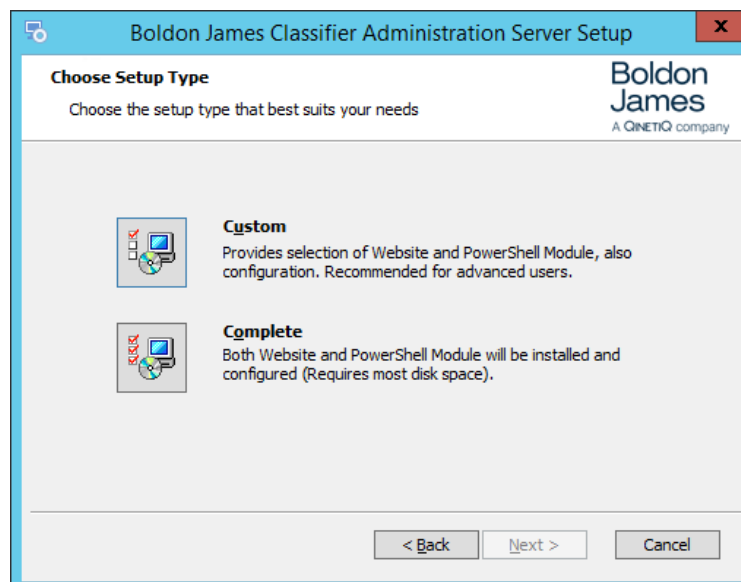
## 2.6 Installation - User Interface

The installation package can be found in the **Classifier Administration Server** folder of the Base Bundle.

- Run the **setup.exe**
- Read and accept the end-user licence agreement.



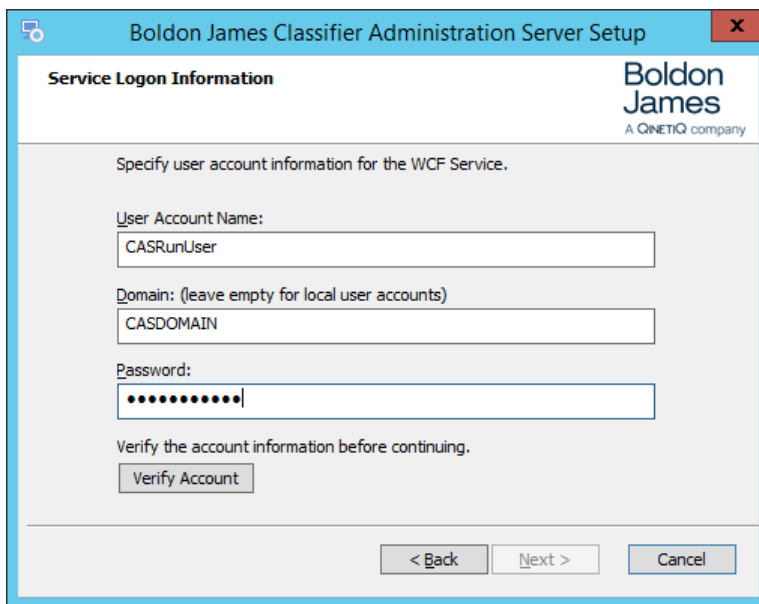
- The next dialog gives the installer the choice between a **Complete** and a **Custom** install. If you select Complete, the installation package will configure the product automatically. The **Custom** option is for advanced deployment strategies; contact Boldon James support for further information or advice if this may be relevant to your environment.



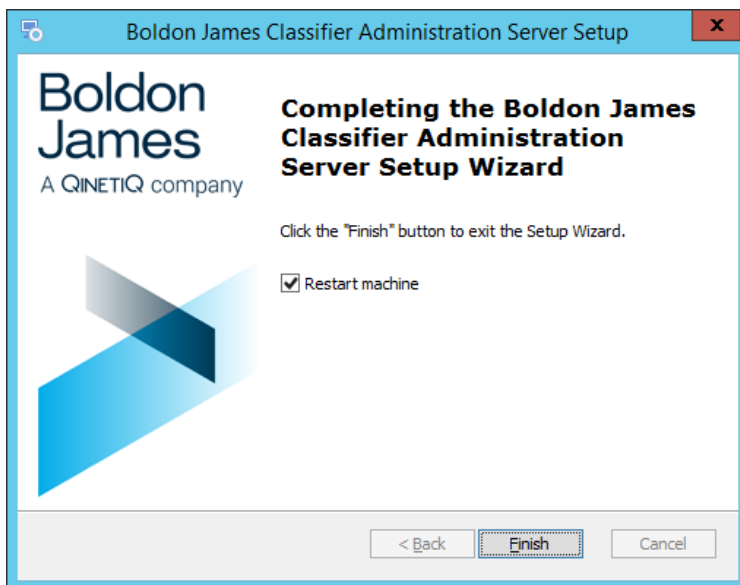
- Next, input the user credentials for the **account the service is going to run as**. In a production environment you should consider using a different account to the Administrator account installing the software; the service account requires fewer permissions.



- If you are using a local machine account you should leave the domain field empty. Clicking on the 'Verify Account' button will confirm the user account exists and the password provided is correct. It will also enable the next button.



- Click 'Install' to begin the installation.
- After completing the installation, we strongly recommend you restart the computer to ensure all pre-requisite and relevant components are fully re-loaded, this is enabled by default, but can be unchecked at the installer's risk.



After restarting the machine, the Classifier Administration Service is now fully functional. For further information on running and using Classifier Administration Server please refer to the **Administration Server Guide** found in the **Classifier Documentation\Reference** folder in the Base Bundle media.

To navigate to the newly installed website you can either click the new **Classifier Administration Server** menu item installed under the **Boldon James** area of the windows Start Menu, or go to the following webpage directly: <http://localhost>



## 2.7 Command-line Installation (Not Supported)

Installation of Classifier Administration Server using the command line is not supported.

## 2.8 Uninstallation

To un-install, use the standard Windows uninstall mechanism as per your Windows version. For example:

Navigate to '**Control Panel**' → '**Programs and Features**'. The entry **Classifier Administration Service** appears in the list of installed programs. Select it and click **un-install**. Confirm this operation when prompted and the product will be removed.

## 2.9 Secure Website Connections - HTTPS

We strongly recommend running the website under a secure HTTPS \ SSL connection. It is not enabled by default as this will require specific environment configuration.

## 2.10 Windows Firewall

Ports are not opened in the Windows Firewall for the website. If the website is to be used by users on the local network, then the required ports must be opened in the firewall on the computer with the Classifier Administration server installed.

The default port used by the website is port 80.

If HTTPS has been configured for the website, then the default port is 443.