boldonjames
A QinetiQ Company

Classifier

Management Agent Supplement (UM642800)

Boldonjames.com

Microsoft Partner
Gold Application Development

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Contents

1 INTRODUCTION

By default, Management Agent retrieves Master Configuration updates from the location defined using **Classifier Configuration Settings** (see Management Agent Guide). Alternatively, Management Agent can be directed to retrieve Master Configuration from a URL location.

This document describes how to use the Management Agent (3.8.1) facility to retrieve the master configuration from a web page.

2 INSTALLATION

The following steps apply:

- It is assumed that you have:
  - o A published Master Classifier Configuration held in file store (e.g. c:\ClassifierConfiguration\Configuration).
  - o You have already deployed Classifier Management Agent version 3.8.1 or later **BUT** retrieving Master Configuration from Active Directory or file store.

    This will mean that you have established the relevant registry entries described in Classifier Management Agent Guide (UM6411).

- Establish an encrypted version of the Master Configuration and Version.txt file as described Master Configuration via a Web Page.

- Establish the encrypted version of the Master Configuration and Version.txt file on the designated web page

- Establish the necessary Web hosting registry entries as described in Web Hosting Registry Entries.

- When the Management Agent restarts, it will retrieve the Master Configuration from the designated Web location.

# 3 MASTER CONFIGURATION VIA A WEB PAGE

The following steps apply:

1. Take the Published Master Configuration and produce an encrypted zipped version of that configuration.

   a. Navigate to the **Extras** folder found on the Classifier Management Agent installation image.

   b. Copy WebConfigMaker.exe to the Classifier Management Agent installation folder (e.g. c:\Program Files\Boldon James\Classifier Management Agent).

   c. Launch the WebConfigMaker.exe from that folder.

   d. Press Select Root Folder and navigate to the location of the published Master Configuration (e.g. c:\ClassifierConfiguration\Configuration).

   > **Note:** Select the Configuration folder that is the root of the published configuration structure.

   e. Enter a **Password**.

   f. Press **Make Zip**.

    g. Select a folder to receive the zipped configuration (e.g. c:\ClassifierConfiguration\AippedConfiguration).
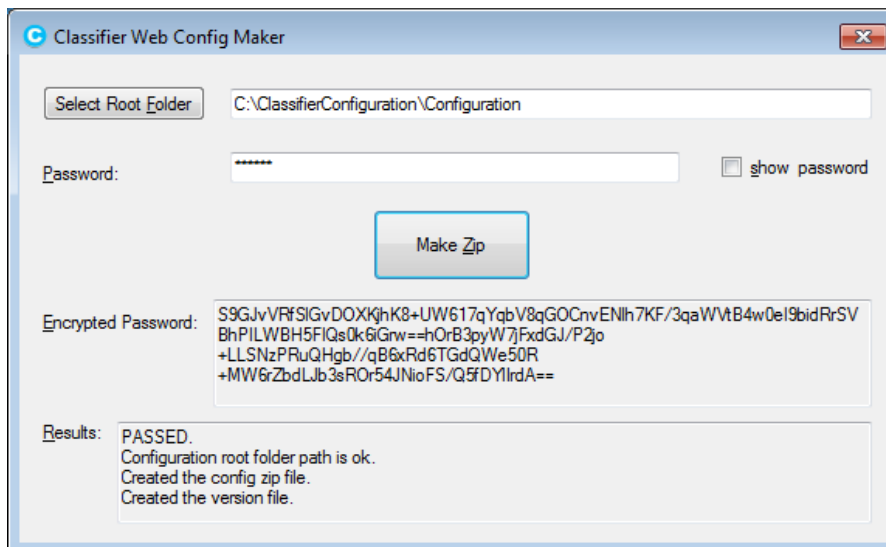
Zip Successful

    h. The Encrypted Password returned should be stored into the WebConfigKey registry entry.

    i. Check that the target (Zipped Configuration) folder contains both **config.zip** and **version.txt** files.

2. Copy both **config.zip** and **version.txt** files your intended web location

Note: Each time the Classifier Configuration is published the version.txt file is re-written containing a unique value. Management Agent uses the contents of this file to ascertain whether or not the (encrypted) configuration has changed.

3. Maintain the URL configuration by repeating steps 1 and 2 every time a new Master Configuration is published.

It is a matter for site policy as to whether the same password is used to encrypt subsequent iterations, but if the password changes the WebConfigKey registry entry must be updated accordingly.

4   WEB HOSTING REGISTRY ENTRIES

Some additional registry entries are defined to support the Web hosting facilities.

Note: The standard Management Agent registry entries defined in Classifier Management Agent Guide (UM6411) continue to apply (Applications to be monitored, Classifier Configuration Settings, Configuration Download Settings, Management Agent General Settings and Management Agent System Tray Icon Settings).

4.1 Establishing Group Policy

If you wish to use Group Policy to set these entries, a **replacement ClassifierConfig.adm** file is provided which can be installed as follows:

❑ Start the **Group Policy Management** tool. Select a group policy object and choose **Edit…**

❑ From the context menu choose **Add/Remove Templates…**

❑ Select **ClassifierConfig** from the list of templates shown and press **Remove**. To remove the previous version of the ClassifierConfig.adm file.

❑ Now press **Add** and navigate to the **Extras** folder found on the Classifier Management Agent installation image.

❑ Select the **ClassifierConfig.adm** file and press **Open**. Press **Close**. The Web Server Configuration settings should now be visible below Classic Administrative Templates as per the example below.
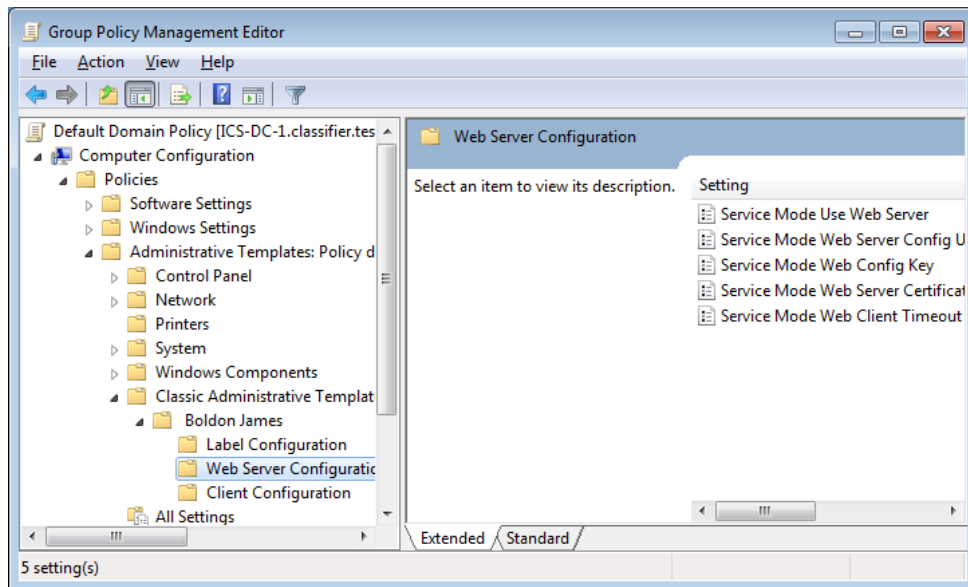
Web Server Configuration Settings

❑ You can then configure any or all of the supported settings described below.

❑ You can use **gpupdate /force** to ensure that the latest settings are applied to the current environment.

4.2 Supported Entries

The Management Agent looks for its control registry settings under the following keys (in the order listed):

1. **HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Boldon James**

Or if you are establishing the keys directly then below:

2. **HKEY_LOCAL_MACHINE\SOFTWARE\Boldon James**

Or for 64-bit systems under:

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Boldon James

If equivalent entries exist beneath 1 and 2 above, then the Policies setting takes precedence.

In the sections below **…** indicates whichever of the above you are using as a prefix to the registry location.

4.2.1 Use Web Server

This entry controls whether or not Management Agent will retrieve the Master Configuration from a Web Page (according to the other settings in this section).

This entry should be established below …**ConfigManager\ServiceMode**.

Name	\UseWebServer (Service Mode Use Web Server)
Type	REG_DWORD

Data	0	Disabled (default) relevant applications will retrieve Master Configuration according to other configuration settings.
	1	Enabled - Management Agent will attempt to retrieve Master Configuration from the location defined by **WebServerConfigFile** and other settings defined in this topic.

4.2.2 Web Server Config URL

This entry defines the web address for the zipped and encrypted file that contains the Master Configuration established as described in Master Configuration via a web page.

Name	\WebServerConfigFile (Service Mode Web Server Config URL)
Type	REG_SZ
Data	Mandatory if **UseWebServer** is Enabled.
	A valid URL to the file containing the zipped version of the Master Configuration. See Master Configuration via a web page for further description. The same 'folder' must also contain an appropriate version.txt file.

4.2.3 Web Config Key

This entry must hold an encrypted version of the key used when establishing the encrypted ZIP file as described in Master Configuration via a web page.

This entry should be established below …**\ConfigManager\ServiceMode**.

Name	\WebConfigKey (Service Mode Web Config Key)
Type	REG_SZ
Data	Mandatory if UseWebServer is Enabled
	An encrypted version of the key used to encrypt the zipped configuration file as described in Master Configuration via a web page.

4.2.4 Web Server Certificate Validation

This entry controls whether certificate validation is Enabled or Disabled for https sites.

This entry should be established below …**\ConfigManager\ServiceMode**.

Name	\WebServerCertificateValidation (Service Mode Web Server Certificate Validation)
Type	REG_DWORD
Data	0	Ignore errors. Certificate validation errors on https sites will be ignored.
	1	(default if not defined) Stop if errors. The download will fail if https sites return errors.

4.2.5 Web Client Timeout

This entry allows you to define the timeout period to be assumed when trying to retrieve the Master Configuration.

This entry should be established below …**\ConfigManager\ServiceMode**.

Name	\WebClientTimeout (Service Mode Web Client Timeout)
Type	REG_DWORD
Data	0	(default) The relevant network default timeout applies (e.g. 20 seconds).
	>0	The number of milliseconds allowed before the attempt to retrieve the Master Configuration times out.
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