IBM Enterprise Content Management System Monitor
Version 5.2.0.5

Mass Installation Guide

GC27-4908-05

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Before using this information and the product it supports, read the information in "Notices" at the end of this document.

This edition applies to version 5, release 2, modification 0 of IBM Enterprise Content Management System Monitor (product number 5724R91) and to all subsequent releases and modifications until otherwise indicated in new editions.

Table of Contents

Introduction

This document details the hardware and software requirements for IBM® Enterprise Content Management System Monitor (formerly known as IBM® FileNet® System Monitor).

The purpose of this document is to provide guidance to IBM personnel, partners and customers likewise regarding hardware and software support for IBM Enterprise Content Management System Monitor (IBM ECM SM) 5.2.0.

The contents of this document should not be taken as a commitment, and are subject to change. This document will be updated periodically to reflect any changes to the expected list of supported platforms.

Support relative to previous IBM ECM SM (formerly IBM FSM) releases

Review this document carefully to understand, whether supported platforms in previous releases of ECM SM are supported by the current release, because this release's platform support matrix differs substantially from previous ECM SM releases.

Note regarding platform support

In the next release of IBM Enterprise Content Management System Monitor IBM will remove platform support for releases of IBM ECM software and middleware no longer supported by IBM or the respective vendor.

Associated documentation

Refer to the following requirements and compatibility documents for related information about other IBM FileNet products:

- IBM FileNet P8 Hardware and Software Requirements

Access IBM FileNet documentation, compatibility matrices and fix packs

To access documentation, compatibility matrices and fix packs for IBM FileNet products:

1 Navigate to the **Product Documentation for FileNet P8 Platform** support page.

http://www-1.ibm.com/support/docview.wss?rs=3247&uid=swg27010422

2 Select the desired PDF or product documentation link.

Contact customer support

For information about contacting customer support:

1 Navigate to the **IBM support page**.

https://support.ibm.com

2 Search for the **FileNet Product Family support (general)** page.

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ECM SM Mass Installation functionality

ECM SM Agent Installation

ECM SM 5.1 agents (managed systems) contain the following agents:

- IBM ECM SM CALA_REX agent
- IBM ECM SM CALA (Monitoring) Agent

The IBM ECM SM CALA_REXagent handles the communication and activities between the IBM ECM SM Server and the IBM ECM SM agents or managed systems. It is installed using the InstallAnywhere® installation package for Windows and UNIX® / Linux®.

The IBM ECM SM CALA agent is installed using the ECM SM Agent Installer GUI out of the IBM ECM SM WebConsole.

To reduce installation and update efforts specifically in large ECM SM environments a new installation method is realized since Release 4.0.1 FP5, the ECM SM Mass Installation method (ECM SM MIM).

ECM SM MIM does not use the graphical user interface but leverages configuration files that describe installation settings. ECM SM MIM does only install or update IBM ECM SM CALA agent, related monitoring archives and configuration settings (like passwords, etc.)

ECM SM GUI installation method versus Mass Installation method

Using ECM SM Mass Installation Method requires good knowledge of ECM SM, the monitored systems, databases, middleware, applications and Web Application servers.

While ECM SM GUI Installation provides online help for all parameters and information on required or optional parameters the new Mass Installation method does not support the user during the manual creation of configuration files.

All parameters normally specified by the user running the IBM ECM SM Installer GUI need to be specified manually by the user.

NOTE If the manually generated configuration file lack one or more parameters or contain typos subsequent installation steps may fail.

When does it make sense to use ECM SM MIM?

The ECM SM Mass Installation method reduces installation time, if lots of systems need to be installed with the same or almost equivalent settings.

To support such kind of installations the user can define Agent installation types, like for instance P8 AE Servers, P8 PE servers or CMOD servers.

Each agent is tied to a agent installation type, which contain type-specific settings (e.g. all FileNet IS-Server on UNIX are installed at location `/fnsw`), and to a client-specific parameters like users and passwords.

Agents type configuration files cannot be delivered with ECM SM, because they depend on customer specific installation settings. To shorten the learning period FSM 4.0.1 FP5 ships pre-configured best-practices type-specific configuration files for AE, CE and PE, which need to be adjusted at every customer environment (installation settings, users, passwords).

Agent-specific configuration files depend on the system and need to be generated out of the shipped template file, too.

Using the ECM SM Mass Installation method

The ECM SM Mass Installation Method is embedded into the IBM ECM SM Task Execution Manager Archive *Migration*. Start the IBM ECM SM Task Execution Manager as described in the documentation, select the product *Migration*.

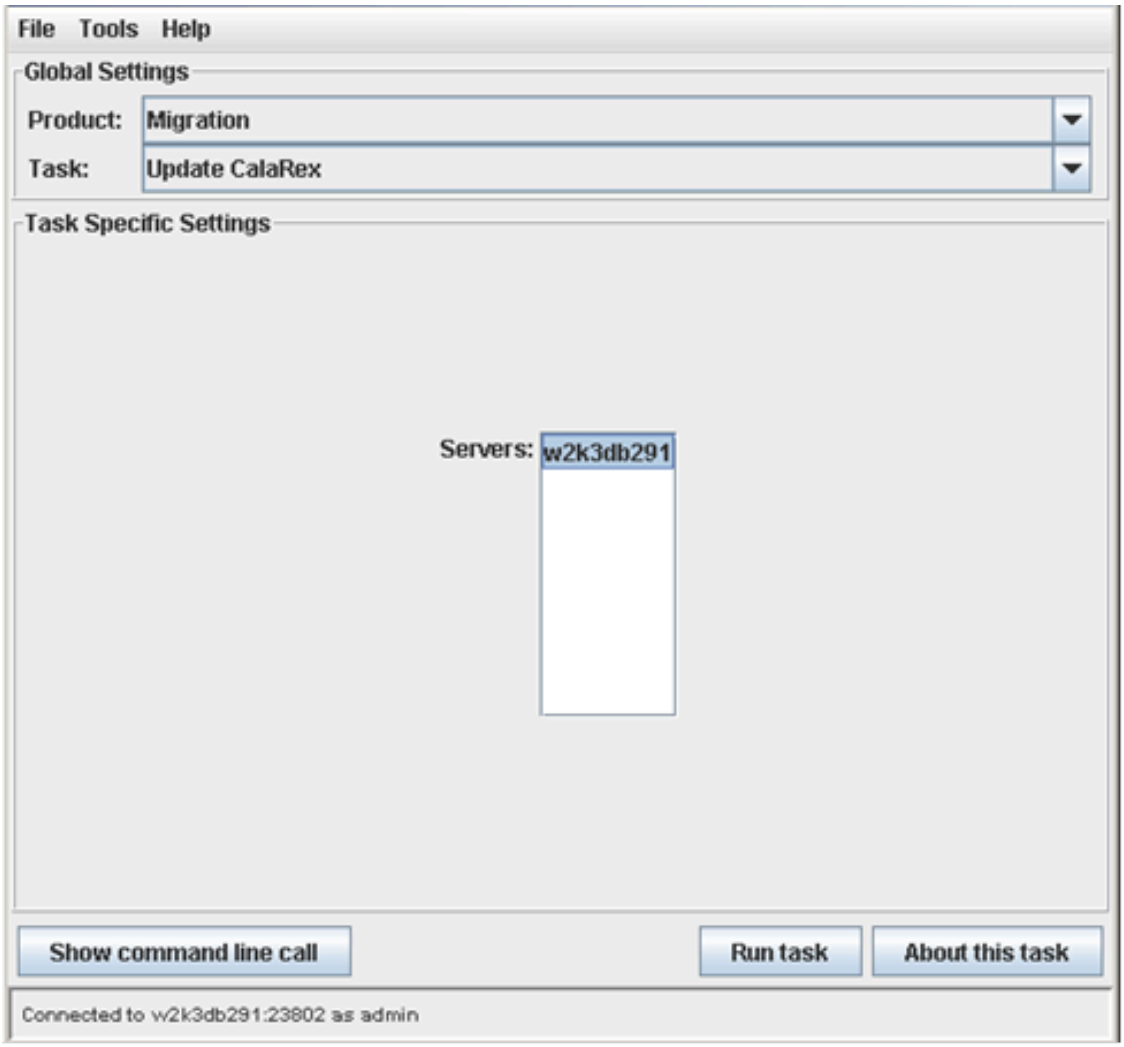
The *Migration* task collection contains two tasks:

- Update CALA_REX
- Update and Install CALA

Update CALA_REX

This task is used to update one or more existing CALA_REXClient installations at once. New agent files are downloaded from the IBM ECM SM Server to the selected clients and replaced through an agent restart.

The restart cannot be scheduled. The restart will be automatically initiated after the agent files are downloaded to the clients. If no JRE (Java Runtime environment in the **jre** subdirectory of the installation folder) is found the IBM JRE Version 7 is downloaded to the client and installed, too.

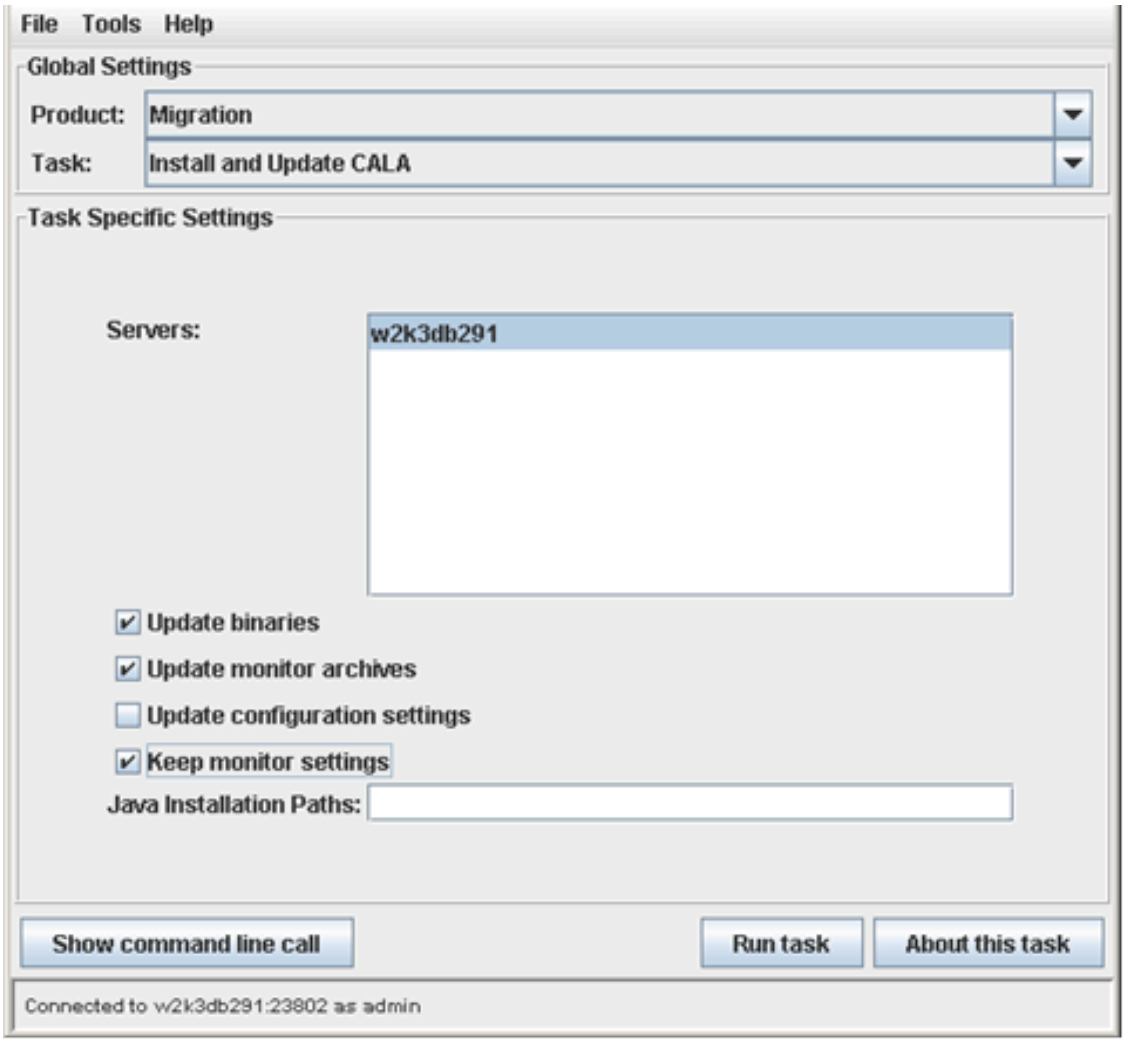


Update CALA_REX

Update and Install CALA

This task is used to install or update IBM ECM SM CALA agents on selected clients. The task contains several options

- Checkbox **Update binaries**
- Checkbox **Update monitor archives**
- Checkbox **Update configuration settings**
- Checkbox **Keep monitor settings**
- Text field for a list of Java installation paths



Install and Update CALA

Checkbox Update binaries

If selected in combination with the checkbox **Keep monitor settings** the IBM ECM SM CALA binaries are updated on the selected clients. Therefore the IBM ECM SM CALA agent is stopped on the client, the new IBM ECM SM CALA agent binaries are downloaded to the client. After replacing the existing CALA agent files on the client system the agent will be restarted.

If combined with the checkbox **Keep monitoring settings** the IBM ECM SM CALA configuration and setup information is not changed. This is not a complete IBM ECM SM CALA installation, only the binaries will be updated.

TIP This function (**Update binaries** AND **Keep monitor settings**) can be used without the necessity of MIM client or type configuration files to update several IBM ECM SM CALA agents in a row in contrast to run the GUI based installer for each single client.

Checkbox Update monitoring archives

If selected in combination with the checkbox **Keep monitor settings** the IBM ECM SM CALA monitoring archives (cepest files) are updated to the selected clients. Therefore the IBM ECM SM CALA agent is stopped on the client, the new IBM ECM SM CALA monitoring archives are downloaded to the client. After replacing the existing monitoring archives on the client system the agent will be restarted.

If combined with the checkbox **Keep monitoring settings** the IBM ECM SM CALA configuration and setup information is not changed. This is not a complete IBM ECM SM CALA installation, only the monitoring archive will be updated.

NOTE In some cases monitoring parameters may have been changed with the latest version of the monitoring archive. In this case it might be necessary to adjust monitoring settings on the updated client system.

TIP This function (**Update monitoring archives** AND **Keep monitor settings**) can be used without the necessity of MIM client or type configuration files to update the monitor archives on several IBM ECM SM CALA agents in a row. This is a similar function as **Update monitor archives** in the IBM ECM SM Monitoring Manager.

Combining Checkboxes Update binaries and Update monitoring archives

The two checkboxes **Update binaries** and **Update monitoring archives** can be checked at once (in combination with **Keep monitor settings**) to update the IBM ECM SM CALA Agent binaries and the monitoring archives on the clients within one step.

TIP This function (**Update binaries** AND **Update monitoring archives** AND **Keep monitor settings**) can be used without the necessity of MIM client or type configuration files to update binaries and monitor archives in one go on several IBM ECM SM CALA agents in a row. This is the most efficient way to update the IBM ECM SM CALA agent after installing a Fix Pack or update on the IBM ECM SM server.

Checkbox Update configuration settings

Selecting the checkbox **Update configuration settings** initiates a GUI-less IBM ECM SM CALA installation that requires manual preparation of configuration files.

The chapter Preparing a MIM installation describes the required manual configuration steps and required files for MIM configuration details.

Checkbox Keep monitor settings

Running the task with selected checkbox **Keep monitor settings** in combination with checkbox **Update binaries** or **Update monitor archives** without selecting **Update configuration settings** replaces the IBM ECM SM CALA binaries or monitoring archives on the specified clients.

Text field Java Installation Paths

Since version 5.1.0 a JAVA Runtime Environment (JRE) version 7 is installed on each client / managed system. For original 5.1.0 clients or migrated clients this parameter is no longer necessary.

For older, non migrated clients this field can contain a list of Java installation paths that are searched for JRE environments. During task execution on the selected client the list is searched for appropriate Java versions. The task requires at least Java version 7. If no suitable Java version is found the task cannot complete on the system.

NOTE Once the task found a suitable Java version a file `.java_dir` in the IBM ECM SM client installation directory is stored that points to the Java location used. Further installation with this task does not require the Java path any longer, unless the location of the Java installation exists

Preparing a MIM installation

This chapter is related to IBM ECM SM Mass Installation Method (MIM) rollout and update of a complete IBM ECM SM CALA agent.

Unless there is no need to install and configure new or existing IBM ECM SM clients with complete configuration settings this chapter is not relevant.

Required files

For each system a list of files need to be prepared. This chapter described the files. The following files are required for the client installation:

- **`cala_variables.txt`** - describes installation settings for the installer - equivalent to the GUI installer
- client-specific configuration file - specifying at least the variable *`CLIENT_INSTALL_TYPE`*
- type-specific configuration type - specifying the files to be downloaded from the server to the client during installation time as well as the global parameters

Client-specific configuration files

For each system to be installed a client-specific configuration file needs to be created out of the template file **`hostname_template.cfg`**, located at **`<ECM SM-Install-Directory>/repos/massinstall/clients`**.

The client-specific configuration files location is **`<ECM SM-Install-Directory>/repos/massinstall/clients`** on the server. The name of the file depends on the client name within the ECM SM system. If a client is called *`db2serv1`*, the file name has to be **`db2serv1.cfg`**.

> **NOTE** If systems are displayed with full qualified DNS name the file name has to reflect this too, like **`ds2serv2.my.company.com.cfg`**.

The following lines describe the format of the client-specific file.

```
#specifies the client type - only 1 CLIENT_INSTALL_TYPE row allowed!!!!!
CLIENT_INSTALL_TYPE=PE
# Client specific download section - made optional. Downloaded, if it exists
# Client specific downloads overwrite type specific downloaded files!!!!
DOWNLOAD_CONF=massinstall/types/cala_variables.txt_${HOST_NAME}_UNIX;;cala/
cala_variables.txt;;UNIX;OPTIONAL
DOWNLOAD_CONF=massinstall/types/cala_variables.txt_${HOST_NAME}_w32-ix86;;cala/
cala_variables.txt;;w32-ix86;OPTIONAL
DOWNLOAD_CONF=massinstall/types/fnet_pch_srv_env.sh_${HOST_NAME}_UNIX;;cala/
fnet_pch_srv_env.sh;;UNIX;;OPTIONAL
DOWNLOAD_CONF=massinstall/types/fnet40_srv_env.sh_${HOST_NAME}_UNIX;;cala/
fnet40_srv_env.sh;;UNIX
DOWNLOAD_CONF=massinstall/types/fnet_pch_srv_env.sh_${HOST_NAME}_w32-ix86;;cala/
monitors/pam/fnet_pch_srv_env.sh;;w32-ix86;;OPTIONAL
```

```
DOWNLOAD_CONF=massinstall/types/fnet40_srv_env.sh_${HOST_NAME}_w32-ix86;;cala/
monitors/pam/fnet40_srv_env.sh;;w32-ix86
#SETTINGS section - now all parameters to be replaced should be added here!!!
#example: SETTINGS=IS_DOMAIN_NAME;;FileNet:ProgessEngine
#The previous line will replace all placeholders __CLIVAR__IS_DOMAIN_NAME with the value
 FileNet:ProcessEngine
#Parameters in this file overwrite settings from the client type specific settings
SETTINGS=Variable-to-be-replaced;;value-of-the-variable
SETTINGS=Next-Variable-to-be-replaced;;value-of-the-variable
```

Type-specific configuration files

Type specific configuration files, located at **<ECM SM-Install-Directory>/repos/massinstall/types**, should contain all settings that are common for the described client type. The name of the file depends on the type name defined within the client-specific file, in the above example *PE*, the corresponding type specific file has to be named **PE.cfg**.

Content of a type-specific configuration file:

```
#DOWNLOAD SECTION
#The following files are downloaded to clients
#Note: Client-specific downloads will overwrite type-specific download
DOWNLOAD_CONF=repos/massinstall/types/
cala_variables.txt_${S_INSTALL_TYPE}_w32-ix86;;cala/cala_variables.txt;;w32-ix86
DOWNLOAD_CONF=repos/massinstall/types/
fnet_pch_srv_env.sh_${S_INSTALL_TYPE}_w32-ix86;;cala/monitors/pam/
fnet_pch_srv_env.sh;;w32-ix86;;OPTIONAL
DOWNLOAD_CONF=repos/massinstall/types/
fnet40_srv_env.sh_${S_INSTALL_TYPE}_w32-ix86;;cala/monitors/pam/
fnet40_srv_env.sh;;w32-ix86;;OPTIONAL
DOWNLOAD_BASE=repos/install/scripts/setup_remote.bat.templ;;cala/tmp/
setup.bat.templ;;w32-ix86
DOWNLOAD_BASE=repos/install/scripts/cala_rc.templ;;cala/cala_rc.templ;;GENERAL
.. more DOWNLOAD_BASE definitions .......
DOWNLOAD_BASE=repos/install/images/$INTERP/tar.exe;;cala/tmp/tar.exe;;w32-ix86
DOWNLOAD_BIN=repos/install/images/w32-ix86/shell.w32-ix86.tar.gz;;cala/tmp/
shell.w32-ix86.tar.gz;;w32-ix86
DOWNLOAD_BIN=repos/install/images/${INTERP}/cala.${INTERP}.tar.gz;;cala/tmp/cala.
${INTERP}.tar.gz;;GENERAL
DOWNLOAD_BIN=repos/install/images/${INTERP}/cala_jni.${INTERP}.tar.gz;;cala/tmp/
cala_jni.$INTERP.tar.gz;;GENERAL
DOWNLOAD_BIN=repos/install/tools/de.cenit/calaJNI.jar;;cala/tmp/calaJNI.jar;;GENERAL
DOWNLOAD_MON=repos/install/cepest/STANDARD.cepest;;cala/tmp/STANDARD.cepest;;GENERAL
DOWNLOAD_MON=repos/install/cepest/STANDARD.help;;cala/tmp/STANDARD.help;;GENERAL
DOWNLOAD_MON=repos/install/cepest/config_tasks.cepest;;cala/tmp/
config_tasks.cepest;;GENERAL
..... more DOWNLOAD_MON definitions ....
DOWNLOAD_MON=repos/install/cepest/FILENET_40.cepest;;cala/tmp/
FILENET_40.cepest;;GENERAL
DOWNLOAD_MON=repos/install/cepest/FILENET_40.help;;cala/tmp/FILENET_40.help;;GENERAL
DOWNLOAD_BASE=repos/install/tools/mbeantemplates.xml;;cala/monitors/pam/
mbeantemplates.xml;;GENERAL
DOWNLOAD_BASE=repos/install/tools/jmx_classpaths.prop;;cala/monitors/pam/
jmx_classpaths.prop;;GENERAL
DOWNLOAD_BASE=repos/install/tools/
de.cenit/mbeanmonitor.jar;;tools/de.cenit/mbeanmonitor.jar;;GENERAL
... more DOWNLOAD_BASE definitions .....
DOWNLOAD_BASE=repos/install/tools/
de.cenit/cenitFNet40Tools.jar;;tools/de.cenit/cenitFNet40Tools.jar;;GENERAL
#SETTINGS_GLOBAL section
#example: SETTINGS_GLOBAL=STARTMODE;;INSTALL;;GENERAL
```

```
SETTINGS_GLOBAL=START_MODE;;BOOT;;GENERAL
SETTINGS_GLOBAL=CREATE_ETC_ENVFILE;;YES;;GENERAL
SETTINGS_GLOBAL=CONFIGURATION_ARCHIVE;;ECM_SM_CLIENT_WINDOWS.tar.gz;;w32-ix86
#SETTINGS section
#example: SETTINGS=IS_DOMAIN_NAME;;FileNet:ProgessEngine
#The previous line will replace all placeholders __CLIVAR__IS_DOMAIN_NAME with the value
 FileNet:ProcessEngine
#Parameters in the client-specific config file overwrite these settings
SETTINGS=P8_LOGGING_DIR;;C:/Program Files/WebSphere/AppServer/profiles/default/FileNet/
server1
```

Type-specific and client-specific configuration files can contain identical settings.

NOTE Type-specific settings are overwritten by client-specific settings.

cala_variables.txt configuration file

Each IBM ECM SM CALA (Monitoring) agent installation requires the file **cala_variables.txt**. IBM FSM 4.0.1 FP5 and newer ships pre-configured **cala_variables.txt** templates for different server types and platforms.

NOTE Adjusting **cala_variables.txt** files requires deep knowledge of the CALA installation procedure. **cala_variables.txt** files need to be configured / customized separately for each customer environment based on installation requirements. For an easy start, **cala_variables.txt** from an existing client can be used for customizing.

IBM ECM SM environment files for IBM FileNet and Content Manager

In addition to the standard CALA configuration file **cala_variables.txt** IBM ECM SM contains IBM FileNet and IBM Content Manager related environment files.

The files are

- FileNet Content Services - **fnds_srv_env.sh**
- FileNet Image Services - **fnis_srv_env.sh**
- FileNet Capture - **fnet_ca_srv_env.sh**
- FileNet P8 Content Engine 2.x and 3.x - **fnet_ce_srv_env.sh**
- FileNet P8 Process Engine 2.x and 3.x - **fnet_pe_srv_env.sh**
- IBM Content Collector, Email Manager and Records Crawler - **fnet_em_srv_env.sh**
- IBM FileNet Listener configuration for None-P8 system - **fnet_pch_srv_env.sh**
- IBM FileNet P8 4.x - fnet40_**srv_env.sh**

- IBM Content Manager, OnDemand and CommonStore - **fsm4ibm_srv_env.sh**

IBM ECM SM ships template environment files for the most important systems (IBM FileNet P8 4.x and Image Services). Use these templates (location **<ECM SM-Installdirectory>/repos/massinstall/templates**) to derive type- or client-specific configuration files if required.

All variables specified in the above listed **fn*.sh** environment files need to be either

- defined in the environment file itself - or -
- the value should be replaced with a *__CLIVAR__** variable, that needs to be defined within the type or client-specific configuration file.

Required properties / settings

This chapter describes required settings of the type- and client-specific configuration files.

SETTINGS_GLOBAL section - both client and type-specific configuration files

IBM ECM SM MIM knows 3 *SETTINGS_GLOBAL* properties, which are listed below. All variables can only be specified once per configuration file. This means if the type-specific variable *START_MODE* is set to *BOOT* the client-specific setting can overwrite the TYPE-specific setting with the value *INSTALL* or *NONE*.

START_MODE

Possible values are *BOOT*, *INSTALL* and *NONE*.

```
SETTINGS_GLOBAL=START_MODE;;BOOT;;GENERAL
```

CREATE_ETC_ENVFILE

Possible values are *YES* and *NO*

```
SETTINGS_GLOBAL=CREATE_ETC_ENVFILE;;YES;;GENERAL
```

CONFIGURATION_ARCHIVE

Contains the name of the tar.gz configuration archive used to install the system

```
SETTINGS_GLOBAL=CONFIGURATION_ARCHIVE;;ECM_SM_CLIENT_WINDOWS.tar.gz;;w32-ix86
```

CLIENT_INSTALL_TYPE

```
CLIENT_INSTALL_TYPE=AE
```

Each client-specific configuration file requires exactly one *CLIENT_INSTALL_TYPE* property. In the example the *CLIENT_INSTALL_TYPE* is set to *AE*. This requires a type-specific configuration file called **AE.cfg**, located in the directory **<ECM SM-Install-Directory>/repos/massinstall/types**. The *CLIENT_INSTALL_TYPE* can be specified by the user. Please note that the value is case sensitive, even on Windows systems, and it should only contain ASCII-127 characters (a-z, A-Z, 0-9).

Additional properties / settings

This chapter describes all other available settings for the type- and client-specific configuration files.

DOWNLOAD_* properties

ECM SM MIM known 4 kinds of download properties, depending on the kind on component to be updated

Each DOWNLOAD_* property is formatted like

```
DOWNLOAD_BASE=<file from server relative to CENIT_ROOT>;;<Filename on  the client relative
 to CENIT_ROOTY;;platform-type[;;OPTIONAL]
```

DOWNLOAD_BASE

Files specified with the *DOWNLOAD_BASE* property are downloaded from the server each time any of the components are updated on the client, e.g. client install scripts or other basic files.

```
DOWNLOAD_BASE=repos/install/scripts/setup_remote.bat.templ;;cala/tmp/setup.bat.
templ;;w32-ix86
DOWNLOAD_BASE=repos/install/scripts/cala_rc.templ;;cala/cala_rc.templ;;GENERAL
```

DOWNLOAD_CONF

Files specified with the *DOWNLOAD_CONF* property are downloaded from the server each time the client configuration is updated.

```
DOWNLOAD_CONF=repos/massinstall/types/fnet40_srv_env.sh_${S_INSTALL_TYPE}_w32-
ix86;;cala/monitors/pam/fnet40_srv_env.sh;;w32-ix86;;OPTIONAL
```

DOWNLOAD_BIN

Files specified with the *DOWNLOAD_BIN* property are downloaded from the server each time the client binaries are updated

```
DOWNLOAD_BIN=repos/install/images/w32-ix86/shell.w32-ix86.tar.gz;;cala/tmp/shell.w32-
ix86.tar.gz;;w32-ix86
DOWNLOAD_BIN=repos/install/images/${INTERP}/cala.${INTERP}.tar.gz;;cala/tmp/cala.
${INTERP}.tar.gz;;GENERAL
```

DOWNLOAD_MON

Files specified with the *DOWNLOAD_MON* property are downloaded from the server each time the client monitor settings or archives are updated

```
DOWNLOAD_MON=repos/install/cepest/STANDARD.cepest;;cala/tmp/STANDARD.cepest;;GENERAL
```

SETTINGS properties

The property SETTINGS is used to specify variables and their values. The variable names can be specified by the user, all ASCII characters are allowed (a-z, A_Z, 0-9)

SETTINGS properties follow the format

```
SETTINGS=<variable-name>;;<variable-value>[;;platform-type]
```

During installation time the prefix __CLIVAR__ is added to each specified variable name.

Example:

```
SETTINGS=P8_LOGGING_DIR;;C:/Program Files/WebSphere/AppServer/profiles/default/FileNet/
server1
```

This means that the variable name P8_LOGGING_DIR is extended to __CLIVAR__P8_LOGGING_DIR.

In each supported ECM SM configuration and settings file (see separate chapter) all instances of __CLIVAR__P8_LOGGING_DIR are replaced by the value specified with the SETTINGS property setting.

Supported platform type settings

Type- and client-specific configuration files properties depend on the platform-type value. This platform-type value defines for which type of platform the defined PROPERTY applies. Possible values are:

- *GENERAL* - applies to all platforms
- *UNIX* - applies to all UNIX and Linux systems
- w32-*ix86* - all supported Microsoft Windows platforms incl. 64 Bit
- *aix4-r1* - all supported AIX versions
- *hpux10* - all supported HP-UX versions on PA-RISC platform
- *hpux11-ia64* - all supported HP-UX versions on Itanium platform
- *solaris2* - all supported Solaris versions on SPARC architecture
- *solaris2-ix86* - all supported Solaris version on Intel architecture
- *linux-ix86* - all supported Linux distributions and versions on Intel and AMD64 platform
- *linux-ppc64* - all supported Linux distributions and versions in IBM PowerPC
- *linux-s390* - all supported Linux distributions and versions (z/Linux)

Supported MIM Installer placeholders

The IBM ECM SM Mass Installation Method supports a list of variables that are evaluated installation process. These variables can only be used within the type- and client-specific configuration files. Supported placeholders are

- *${HOST_NAME}* - stands for the hostname of the system
- *${INTERP}* - will be replaced by the platform name the installation runs
- *${S_INSTALL_TYPE}* - will be replaced by the specified install type (variable *CLIENT_INSTAL-L_TYPE* in client-specific configuration file)

Password encrypting tool encryptpw

The IBM ECM SM Mass Installation Method supports settings encrypted passwords fields. To support command line / batch generation of MIM configuration files MIM contains a command line tool to encrypt passwords.

The tool is located at **<IBM ECM SM Installation directory/repos/install/images/<platform>/encryptpw.***.

Use of encryptpw:

```
Encryptpw username password
```

The encrypted password for the user is returned at standard out.

If started without specifying any parameter the usage is displayed:

```
.\encryptpw.exe
Password encryption tool
(c) 2010 CENIT AG Systemhaus, Germany, Stuttgart
Usage: ./encryptpw.exe.w32-ix86 <user> <password>
```

Supported Java Runtime Engine (JRE)

The IBM ECM SM Mass Installation Method requires a Java Runtime environment (JRE) installed on the system to be installed. Supported JRE are JRE 7 or newer.

NOTE Version 5.1 agent and newer already contains a supported IBM JRE version 7.

Collocation and Third-party Interoperability

Assuming a system is adequately sized, and unless stated otherwise by either IBM or a third-party vendor, IBM does not require that its products run in isolation of other IBM or third-party components. From an IBM perspective, exceptions to the aforementioned policy are listed below. For third-party components, the appropriate vendors' support documentation should be reviewed to assure functionality and support. Unless otherwise stated, the term collocation refers to the same server instance. Partitioned or virtualized servers are considered stand-alone server instances.

IBM Collocation Support Information

The ECM SM Server cannot be collocated on servers running IBM FileNet, IBM Content Manager OnDemand or IBM CM8 software or any other IBM ECM software, that will be monitored by an ECM SM Agent.

Third-party Support Information

When the version number is designated with an x, it can be assumed for all third-party components, that service packs and patches will be supported, when they are made generally available by the vendor assuming that the service pack or patch in question is designated as being upward compatible by the vendor. If the version number in this document does not include an x, it should be assumed that the specific version listed is the minimum version required, and patches and fixes can be applied if they are designated as being upward compatible.

Appendix A. Copyright notice

IBM Enterprise Content Management System Monitor (April 2017)

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