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Product Implementation Training (PIT)

IBM FileNet Configuration Manager 5.2.1

Configuration



Introduction

- Course Overview
 - What's new in configuration in 5.2.1 release
- Target Audience
 - Support (L2) and Lab Services
 - Personnel working with customers
- Suggested Prerequisites
 - Familiarity with configuration of IBM FileNet P8 using CMUI
 - 5.2.0 PITs for Installation and Configuration
- Version Release Date: October, 2014.

Course Objectives

After this course you will be able to:

- Understand new 5.2.1 related configuration concepts
- Configure IBM FileNet Content Platform Engine with new features
- Run IBM FileNet Content Platform Engine Configuration and Deployment tool (CMUI) with:
 - New WAS options for security domains.
 - New DB driver options for DB2 pureScale and HADR.
 - New Non-LDAP VMM type alert in LDAP configuration.
 - Multi-tenancy support.
 - New parameters added to command line tool.
- Troubleshooting methods

Course Roadmap

- Globalization
- New Features
 - WAS Security Domain
 - Non-LDAP VMM
 - Separation of DB2 Purescale and HADR
 - Multi-tenancy support
- New options in command line tool (configmgr_cl)
- Consumability improvements on WAS
- Troubleshooting
- Course Summary

Globalization in CMUI:

IBM CMUI is now translated to 32 languages

- *Greek, Kazakh, Vietnamese and Thai being the new additions*
- *Arabic and Hebrew support fully mirrored GUIs.*

CMUI always launches by default using the system locale

- But this can be overridden with the `-nl` flag, user must update the `configmgr.ini` file as shown below for eg: for Japanese:

```
1  -vm
2  ../jre/bin
3  gui
4  -nl ja
5  -vmargs
6  -Djava.compiler=none
7  -Djava.util.logging.config.file=./configuration/cmlogging.properties
8  -Dfilenet.pe.peorb.properties.org.omg.CORBA.ORBClass=com.ibm.CORBA.iiop.ORB
9
```

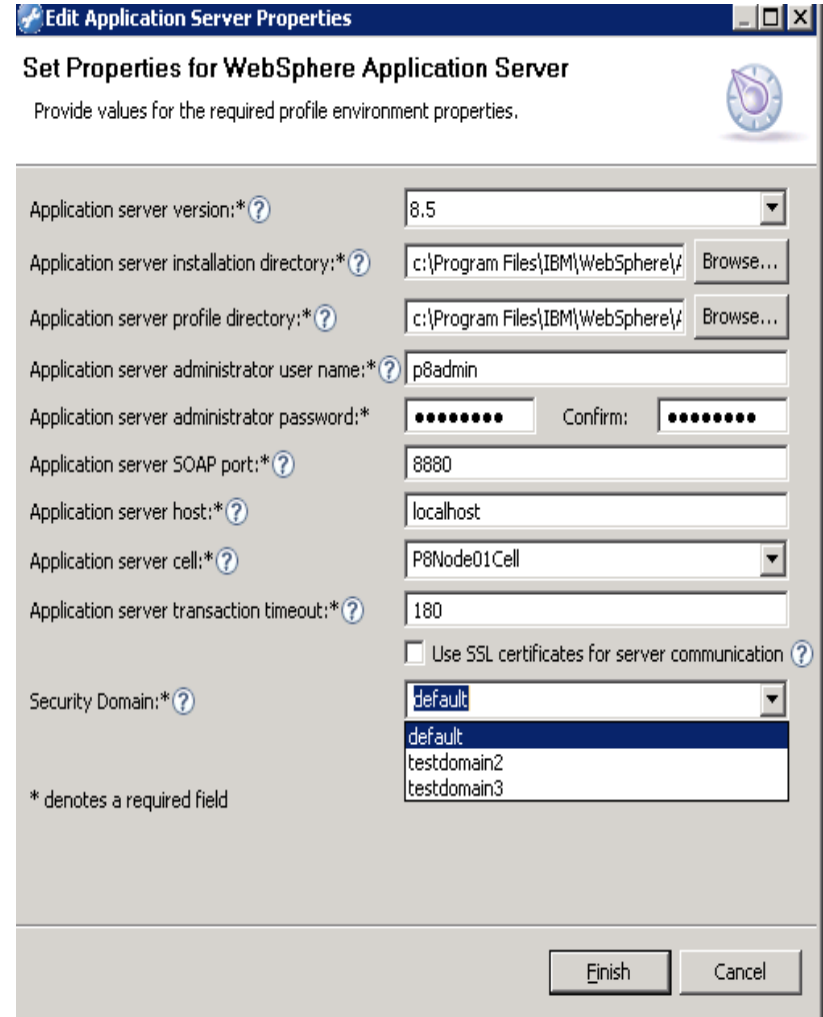
Course Roadmap

- Globalization
- **New Features**
 - **WAS Security Domain**
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New Features:

1. Support for Security Domains in WAS:

- *Security domain can be chosen in application server properties window.*
- *Login modules and LDAP tasks are configured for the domain chosen and not under “global security”.*
- *Deploy task maps the server/cluster used for deployment to the security domain chosen.*
- *Leave the domain as “default” when working with global security.*



Edit Application Server Properties

Set Properties for WebSphere Application Server

Provide values for the required profile environment properties.

Application server version:* 8.5

Application server installation directory:* c:\Program Files\IBM\WebSphere\ Browse...

Application server profile directory:* c:\Program Files\IBM\WebSphere\ Browse...

Application server administrator user name:* p8admin

Application server administrator password:* Confirm:

Application server SOAP port:* 8880

Application server host:* localhost

Application server cell:* P8Node01Cell

Application server transaction timeout:* 180

☐ Use SSL certificates for server communication

Security Domain:* default

default
testdomain2
testdomain3

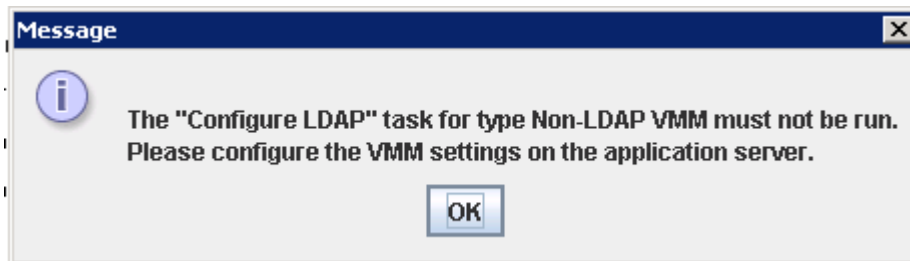
* denotes a required field

Finish Cancel

New Features (contd...)

2. Non-LDAP VMM option in LDAP task for WAS:

- Allows user to skip execution of the task.
- Alerts user that VMM should be configured in WAS.



Enter the directory service authentication settings for Content Platform Engine.

Directory service provider type: ?	Tivoli Directory Server
WebSphere Application Server LDAP repository type: ?	Active Directory
	ADAM or AD LDS
	CA Directory
	eDirectory
	Oracle Internet Directory Server
	Oracle Directory Server Enterprise Edition
	Tivoli Directory Server
	Non-LDAP VMM
Directory service bind user password: Conf

New Features (contd...)

3. Separate options for DB2 pureScale and HADR in WAS:

- 5.2.1 separates DB2 pureScale and HADR options in the database driver name selection dropdown for the JDBC task configuration.
- Separation helps in setting the Sysplex Work Load Balancing(WLB) only for pureScale and not also for DB2 HADR configuration. The other values in the task for these two drivers remain same as before.

The screenshot shows a configuration window with several fields, each with a help icon (?). The 'JDBC driver name' field is open, displaying a dropdown menu with the following options:

- DB2 Universal JDBC Driver
- DB2 Universal JDBC Driver
- DB2 for z/OS Universal JDBC Driver
- DB2 Universal JDBC Driver (pureScale)** (highlighted)
- DB2 Universal JDBC Driver (HADR)
- Microsoft JDBC Driver
- Oracle JDBC Driver
- Oracle JDBC Driver (RAC support)

The other fields in the configuration are:

- JDBC data source name: ?
- JDBC XA data source name: ?
- Database server name: ?
- Database port number: ?

New Features(contd...)

4. Multi-tenancy support:

- Allows user to toggle the multi-tenancy support by setting the DOMAINTYPE flag to 1 or 0 in config.ini file.
- CMUI uses the value of DOMAINTYPE flag to set com.filenet.gcd.DomainType in CEMPBoot.properties file during the Bootstrap and Text Extraction task

```
1 #Tue Sep 16 03:22:11 PDT 2014
2 com.filenet.gcd.ProductVersion=5.2.0
3 com.filenet.gcd.ProductName=IBM FileNet Content Platform Engine
4 com.filenet.gcd.Username=CEAdmin
5 com.filenet.gcd.GCDConnection=jndiname\=FNGCDDS;jndinamexa\=FNGCDDXA
6 com.filenet.gcd.EncryptedPassword=798db5e4ebc208d806bd1e29f6a3ef90
7 com.filenet.gcd.CipherKeyLength=128
8 com.filenet.gcd.ProductGuid=d3683d3d15f04108a8c21c37c12d1e16
9 com.filenet.gcd.DigestAlgorithm=SHA
10 com.filenet.gcd.ApplicationServerUrl=remote\://localhost\:4447
11 com.filenet.gcd.DomainType=0
12 com.filenet.gcd.ProductInstance=/opt/IBM/FileNet/ContentEngine
13 com.filenet.gcd.CipherAlgorithm=AES
14
```

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- ***New options in command line tool (configmgr_cl)***
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New options in command line(configmgr_cl):

1.WAS Security domain option:

- Security domain can be set on the command line with -securitydomain flag. The flag should be used with an operand, for eg: -securitydomain default.
- When used the flag creates a property with name SecurityDomain and with value as “default” in the applicationserver.xml file.
- The user can set the value of this field to a valid domain name, which will then be used for Login Modules, LDAP and the Deploy tasks, with value as “default”, global security is used to configure all the above tasks. Command usage example: `./configmgr_cl generateconfig -appserver WebSphere -securitydomain "domainname" -repositorytype standalone -db db2 -ldap tivoli -bootstrap new -deploy standard -profile profileName`

```
<property name="SecurityDomain">
  <value>default</value>
  <description>Choose the Security domain in which you wish to configure t
his task. Set value to "default" to use global security. </description>
  <displayName>Security Domain</displayName>
</property>
```

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Consumability Improvements for WAS:

For WAS profiles, CMUI now checks for necessary WAS features during deploy task.

- Specifically, CMUI checks for both WAS stand-alone thin client and EJB Deploy tool for pre-EJB 3.0.
- When these features are not found, an error message is logged in the console window:
 - "EJBDeploy tool for pre-EJB 3.0" feature needed by the deploy task is missing in this Websphere application server installation. Please install this feature for your Websphere application server and re-run this task.
 - Ensure c:\Program Files (x86)\IBM\WebSphere\AppServer\runtimes\com.ibm.ws.admin.client_8.0.0.jar, which are required to connect to the web application server.

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Troubleshooting:

- Enable Configuration tool debug logs
 - GUI mode: Add "-debug" right after the line "gui" of configmgr.ini
 - CLI mode: Add "-debug" as the last argument of configmgr_cl.ini
- Configuration Tool logs shall be written to
 - <Install_Dir>\logs directory (trace output log: configmgr<n>.log)
 - <Install_Dir>\logs\nexus_configmgr_workspace\.metadata hidden folder (Debug log: .log)

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Course Summary

You have completed this course and can:

- *Understand new 5.2.1 related configuration concepts for IBM FileNet P8 using CMUI.*
- *Run IBM FileNet Configuration Manager with new features for:*
 - *WAS Security Domains.*
 - *Non-LDAP VMM LDAP type.*
 - *Multi-tenancy support in CMUI.*
 - *Separate DB2 pureScale and HADR configuration.*
- *New command line options for CMUI:*
 - *For WAS security domain*

Contacts

- Product Marketing Manager: Robert Finn
- Product Manager: Stephen Hussey
- Subject Matter Experts (SME)/Area of Expertise: Chethan Chandrashekar
- Support: Kang-chen (Ken) Chen

Product Help/Documentation/Resources

IBM 5.2.1 Knowledge Center

http://www.ibm.com/support/knowledgecenter/SSNW2F_5.2.1/