CM Administration Manual

This document collects administration scripts on system LOIS/TSM01, which will help us to understand the LOIS system administration and maintenance procedures and methodologies on OS, Database and Application level.

Contents

- OS level administration
- HACMP administration
- DB2 administration
- TSM administration
- Billing Application administration

Application System Topology

In this ISIS Application system, we use two high performance IBM Power6 570 servers and implement IBM Content Manager Application architecture to fulfill our business requirements; ISIS consists of several specialized components. The core components are the library server and one or many resource managers.

The library server itself is a DB2 database application, all its logic is implemented within the database (currently as stored procedures) and its data is stored within database tables and views. The library server implements functions such as authentication and authorization, data modeling, document routing, search and the storage of descriptive information for each object (so called meta data). The library server can also maintain relationships between different objects and can provide referential integrity.

The resource manager is responsible for storing the actual content (images/files). Currently the resource manager logic is implemented as a web application (ICMRM), running in IBM WebSphere Application Server. The content (images/files) is typically stored to local disk and/or SAN, but can be stored also to storage devices managed by IBM Tivoli Storage Manager or as blobs in the database. The resource manager also maintains internal information, which is again stored in a relational database.

OnDemand processes the print output of application programs, extracts index fields from the data, stores the index information in a relational database, and stores one or more copies of the data in the system. With OnDemand, we archive newly created and frequently accessed reports on high speed, disk storage volumes and automatically migrate them to other types of storage volumes as they age.

The eClient is a Web application that enables users to search for and retrieve documents from content servers. eClient is a Web application that is installed into WebSphere Application Server.

- Import objects
- Search for objects
- Re-index objects
- Retrieve objects
- Delete objects
- Interact with Document Routing
- Declare objects to Records Manager

The eClient Web application consists of JavaServer Pages (JSP), servlets, and a viewer applet that run on the WebSphere Application Server. The eClient also includes cascading style sheets, property files, and so forth.

The IBM WebSphere Application Server software is required to run with the resource manager and must be installed on the same system as the resource manager. The IBM WebSphere Application Server provides the Java-enabled platform that allows Web clients to interact with DB2 Content Manager. Users and processes on a wide variety of operating systems can interact by using the facilities provided by WebSphere Application Server.

Client requests to store or retrieve documents are communicated by HTTP to the IBM HTTP Server. The Web server then packages the request to be sent to the resource manager. Web server uses web server plugin to direct requests to WebSphere Application Server.

Tivoli Storage Manager is a client/server product that provides storage management and data access services in a heterogeneous environment. It is provided so you can store objects, long term, on a storage device other than the fixed disks attached to the resource manager. Tivoli Storage Manager supports a variety of communication methods and provides administrative facilities to schedule backup and storage of files. The resource manager server uses the Tivoli Storage Manager Client APIs, which are installed with the Tivoli Storage Manager Client, to access the Tivoli Storage Manager server. These APIs provide connectivity between the resource manager server and the Tivoli Storage Manager server and can be programmed to centrally administer storage.

We use HACMP cluster in some of two separate IBM Power6 p570 servers' client partitions in order to achieve cluster-level resiliency and serviceability. The whole IBM System p6 570 server can be shut down for maintenance if required and HACMP will handle it with its procedures; production will be taken over by another member of the HACMP cluster on another IBM System p5 570 machine.

Two switches are included in the SAN infrastructure configuration to provide high resilience in a SAN environment. The SAN LUNs are configured as RAID arrays; even a disk failure will not cause an outage to the client partition.

Regarding the Disaster Recovery Plan, EMC RecoverPoint solution and Sungard SOS vault service are implemented to re-replicate the Lois data on a remote site. The shared disk data are continuously updated to the remote storage and the local AIX images are updated to the remote vault regularly.

Figure 1-1 outlines the Advanced POWER Virtualization architecture together with High-Availability Cluster Multi-Processing (HACMP) architecture.

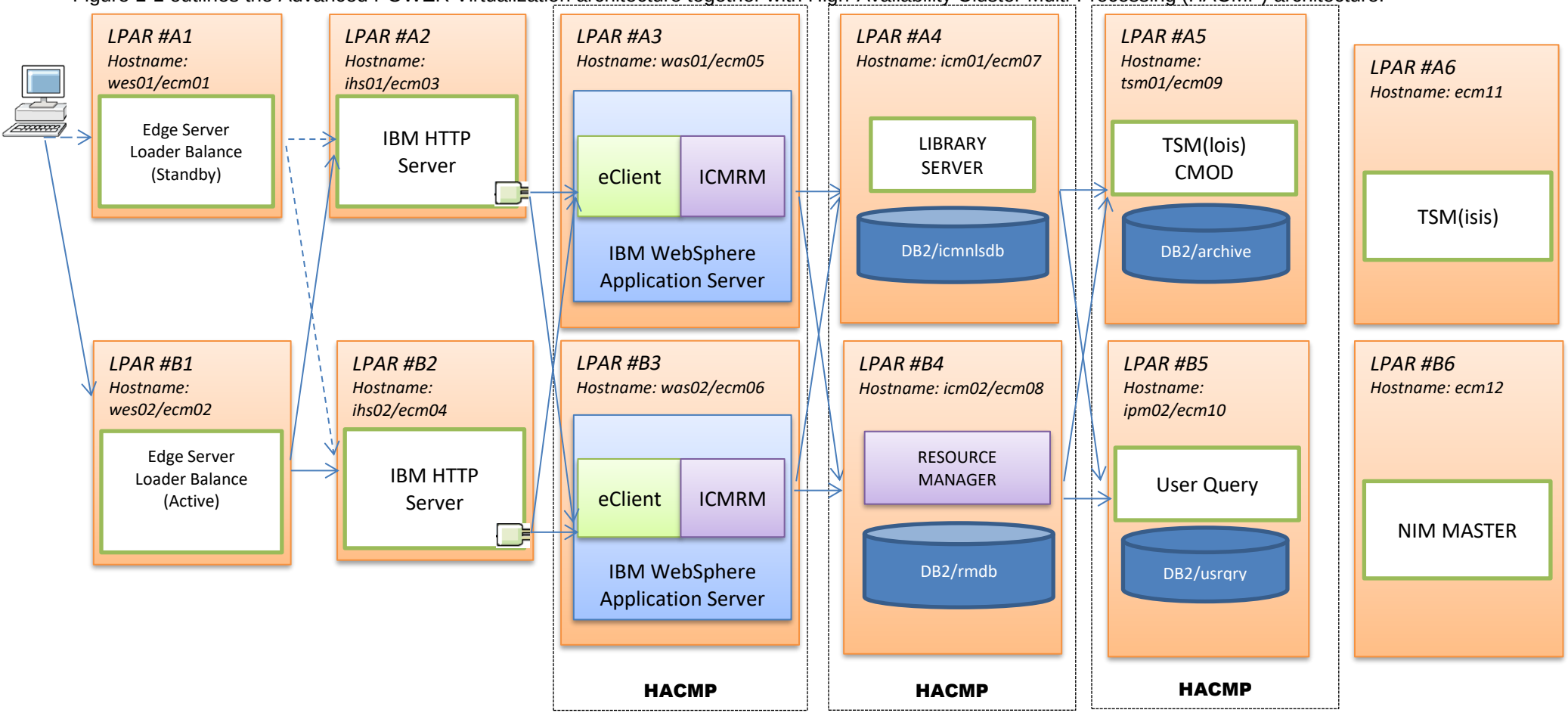


Figure 1-1LOIS & ISIS Application System Topology

Application System Architecture

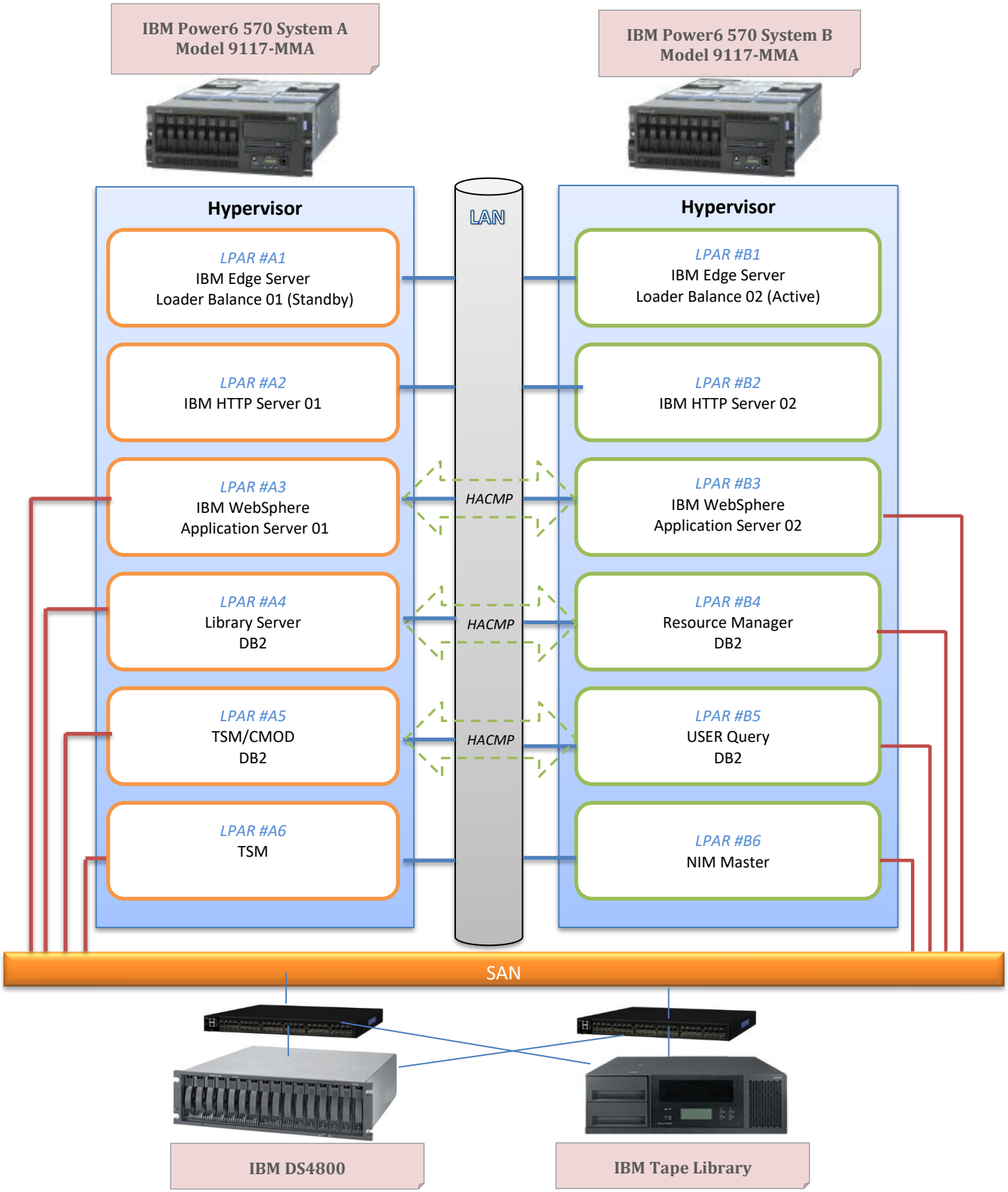


Figure 1-2 ISIS Application System architecture

LOIS/ISIS Application System Server configuration

IBM Power6 p570 System A	LPAR #A1	LPAR #A2	LPAR #A3	LPAR #A4	LPAR #A5	LPAR #A6
Hostname/IP	**wes01/ecm01** ~~**en0** 192.168.172.10~~ ~~**en1** 192.168.175.11~~	**ihs01/ecm03** ~~**en0** 192.168.172.20~~ ~~**en1** 192.168.175.21~~	**was01/ecm05** ~~**en0** 192.168.172.30~~ ~~**en1** 192.168.173.31~~ ~~**en3** 192.168.174.33~~ ~~192.168.175.33~~ ~~192.168.175.34~~	**icm01/ecm07** ~~**en0** 192.168.172.40~~ ~~**en1** 192.168.173.41~~ ~~192.168.175.44~~ ~~**en3** 192.168.174.42~~ ~~192.168.175.43~~	**tsm01/ecm09** ~~**en0** 192.168.172.50~~ ~~**en1** 192.168.173.51~~ ~~192.168.175.53~~ ~~**en3** 192.168.174.52~~ ~~192.168.175.54~~	**ecm11** ~~en0 192.168.172.60~~ ~~en1 192.168.175.61~~
OS Level	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115
System firmware	EM320_076	EM320_076	EM320_076	EM320_076	EM320_076	EM320_076
Business Application	ISIS Loader Balance 01	ISIS HTTP 01	ISIS APP01	ISIS DB01	ISIS CMOD	ISIS TSM
Application Server	IBM Edge Server Loader Balance *(ibmlb.base.rte 7.0.0.8)*	IBM HTTP Server 7 *(WSIHS70 7.0.0.0)*	IBM WebSphere Application Server V7.0 *(WSBAA70 7.0.0.0)* IBM DB2 Content Manager eClient *(cm.ec.product.p 8.4.2.0)* HACMP 6.1	IBM DB2 Content Manager Enterprise Edition *(cm.icm.product.p 8.4.2.0)* IBM Content Manager Library Server HACMP 6.1	IBM Content Manager OnDemand Manager *(ars.srvr 8.4.1.5)* HACMP 6.1	Tivoli Storage Manager Server *(tivoli.tsm.server.com 5.5.1.0)*
Database			DB2 UDB Enterprise Server Edition V9.5	DB2 UDB Enterprise Server Edition V9.5	DB2 UDB Enterprise Server Edition V9.5	
CPU	PowerPC_POWER6 Min Ent= 1 Max Ent= 2	PowerPC_POWER6 Min Ent= 1 Max Ent= 2	PowerPC_POWER6 Min Ent= 2 Max Ent= 4	PowerPC_POWER65 Min Ent= 3 Max Ent= 6	PowerPC_POWER6 Min Ent= 1 Max Ent= 2	PowerPC_POWER6 Min Ent= 1 Max Ent= 2
MEM	**2097152** Kbytes	**2097152** Kbytes	**10485760** Kbytes	**20971520** Kbytes	**8388608** Kbytes	4194304 Kbytes
Storage	**rootvg** (MB): total **279552**, free **190976**	**rootvg** (MB): total **279552**, free **190976**	**rootvg** (MB): total **279552**, free **40448** **docvg**(MB): total **1237376**, free **896** **tsmha01vg**(MB): total **10224**, free **624**	**rootvg** (MB): total **279552**, free **36352** **lsvg** (MB): total **212480**, free **14080** **tsmha01vg**(MB): total **10224**, free **624** **db2loglsvg**(MB): total **10224**, free **624** **db2bkuplsvg**(MB): total **204544**, free **12544**	**rootvg** (MB): total **139776**, free **7424** **arsvg** (MB): total **112384**, free **1024** **arscachevg** (MB): total **204544**, free **2304** **billingv**g(MB): total **224512**, free **6912** **tsmha01v**g(MB): total 1**0224**, free **624** **db2bkupodvg(**MB): total **10224**, free **624** **db2logodvg(**MB): total **10224**, free **624**	**rootvg** (MB): total **139776**, free **97536** **tsmvg** (MB): total **337408**, free **2048**
Adapter	**LAN:** **ent0** Logical Host Ethernet Port (lp-hea) **ent1** Logical Host	**LAN:** **ent0** Logical Host Ethernet Port (lp-hea) **ent1** Logical Host	**LAN:** **ent0** 00-08 2-Port 10/100/1000 Base-TX PCI-X Adapter	**LAN:** **ent0** 00-08 2-Port 10/100/1000 Base-TX PCI-X Adapter	**LAN:** **ent0** 02-00 2-Port 10/100/1000 Base-TX PCI-X Adapter	**LAN:** **ent0** Logical Host Ethernet Port (lp-hea) **ent1** Logical Host

	Ethernet Port (lp-hea) **lhea0** Logical Host Ethernet Adapter (l-hea) **SAN:**	Ethernet Port (lp-hea) **lhea0** Logical Host Ethernet Adapter (l-hea) **SAN:**	**ent1** 00-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent2** 01-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent3** 01-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **SAN:** **fcs0** 02-00 4Gb FC PCI Express Adapter **fcs1** 02-01 4Gb FC PCI Express Adapter **fcs2** 03-00 4Gb FC PCI Express Adapter **fcs3** 03-01 4Gb FC PCI Express Adapter	**ent1** 00-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent2** 03-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent3** 03-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **SAN:** **fcs0** 01-00 4Gb FC PCI Express Adapter **fcs1** 01-01 4Gb FC PCI Express Adapter **fcs2** 04-00 4Gb FC PCI Express Adapter **fcs3** 04-01 4Gb FC PCI Express Adapter	**ent1** 02-01 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent2** 04-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent3** 04-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **SAN:** **fcs0** 01-00 4Gb FC PCI Express Adapter **fcs1** 01-01 4Gb FC PCI Express Adapter **fcs2** 03-00 4Gb FC PCI Express Adapter **fcs3** 03-01 4Gb FC PCI Express Adapter	Ethernet Port (lp-hea) **lhea0** Logical Host Ethernet Adapter (l-hea) **SAN:** **fcs0** 03-00 4Gb FC PCI Express Adapter **fcs1** 03-01 4Gb FC PCI Express Adapter **fcs2** 00-00 4Gb FC PCI Express Adapter **fcs3** 00-01 4Gb FC PCI Express Adapter
Hypervisor						

Figure 1-3 p6 570 System A hardware breakdowns

IBM Power6 p570 System B	LPAR #B1	LPAR #B2	LPAR #B3	LPAR #B4	LPAR #B5	LPAR #B6
Hostname/IP	**wes02/ecm02** ~~**en0** 192.168.172.110~~ ~~**en1** 192.168.175.111~~ ~~192.168.175.13~~ ~~192.168.175.12~~	**ihs02/ecm04** ~~**en0** 192.168.172.120~~ ~~**en1** 192.168.175.121~~	**was02/ecm06** ~~**en0** 192.168.172.130~~ ~~**en1** 192.168.173.131~~ ~~**en3** 192.168.174.132~~ ~~192.168.175.133~~ ~~192.168.175.134~~	**icm02/ecm08** ~~**en0** 192.168.172.140~~ ~~**en1** 192.168.173.141~~ ~~192.168.175.144~~ ~~**en3** 192.168.174.142~~ ~~192.168.175.143~~	**ipm02/ecm10** ~~**en0** 192.168.172.150~~ ~~**en1** 192.168.173.151~~ ~~192.168.175.154~~ ~~**en3** 192.168.174.152~~ ~~192.168.175.153~~	**ecm12** ~~**en0** 192.168.172.160~~ ~~**en1** 192.168.175.161~~
OS Level	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115	AIX 6.1 TL06 SP05 6100-06-05-1115
System firmware	EM320_076	EM320_076	EM320_076	EM320_076	EM320_076	EM320_076
Business Application	ISIS Loader Balance 01	ISIS HTTP 01	ISIS APP01	ISIS DB 02	ISIS User Query	ISIS NIM Master
Application Server	IBM Edge Server Loader Balance *(ibmlb.base.rte 7.0.0.8)*	IBM HTTP Server 7 *(WSIHS70 7.0.0.0)*	IBM WebSphere Application Server V7.0 *(WSBAA70 7.0.0.0)* IBM DB2 Content Manager eClient *(cm.ec.product.p 8.4.2.0)* HACMP 6.1	IBM DB2 Content Manager Enterprise Edition *(cm.icm.product.p 8.4.2.0)* IBM Content Manager Resource Manager Application Server *(cm.icm.rmappsvr 8.4.2.0)* HACMP 6.1	IBM Content Manager OnDemand Manager *(ars.srvr 8.4.1.5)* HACMP 6.1	Network Install Manager (bos.sysmgt.nim.master 6.1.6.15)
Database			DB2 UDB Enterprise Server Edition V9.5	DB2 UDB Enterprise Server Edition V9.5	DB2 UDB Enterprise Server Edition V9.5	
CPU	PowerPC_POWER6 Min Ent= 1 Max Ent= 2	PowerPC_POWER6 Min Ent= 1 Max Ent= 2	PowerPC_POWER6 Min Ent= 2 Max Ent= 4	PowerPC_POWER6 Min Ent= 3 Max Ent= 6	PowerPC_POWER6 Min Ent= 1 Max Ent=2	PowerPC_POWER6 Min Ent= 1 Max Ent=2
MEM	**2097152** Kbytes	**2097152** Kbytes	**10485760** Kbytes	**20971520** Kbytes	**8388608** Kbytes	**4194304** Kbytes
Storage	**rootvg** (MB): total **279552**, free **190976**	**rootvg** (MB): total **279552**, free **190976**	**rootvg** (MB): total **279552**, free **40448** **wasndvg**(MB): total **10224**, free **624** **tsmha02vg**(MB): total **10224**, free **624**	**rootvg** (MB): total **279552**, free **36352** **rmvg** (MB): total **110336**, free **7936** **tsmha02vg**(MB): total **10224**, free **624** **db2logrmvg**(MB): total **10224**, free **624** **db2bkuprmvg**(MB): total **102272**, free **6272**	**rootvg** (MB): total **139776**, free **7427** **usvg** (MB): total **112384**, free **1024** **tsmha02v**g(MB): total 1**0224**, free **624** **db2logusvg**(MB): total **10224**, free **624** **db2bkupusvg(**MB): total **102272**, free **1152**	**rootvg** (MB): total **279552**, free **165632** **nimvg** (MB): total **730624**, free **3072** **nimadmv**g(MB): total **189184**, free **188928**

Adapter	**LAN:** **ent0** Logical Host Ethernet Port (lp-hea) **ent1** Logical Host Ethernet Port (lp-hea) **lhea0** Logical Host Ethernet Adapter (l-hea) **SAN:**	**LAN:** **ent0** Logical Host Ethernet Port (lp-hea) **ent1** Logical Host Ethernet Port (lp-hea) **lhea0** Logical Host Ethernet Adapter (l-hea) **SAN:**	**LAN:** **ent0** 00-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent1** 00-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent2** 04-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent3** 04-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **SAN:** **fcs0** 01-00 4Gb FC PCI Express Adapter **fcs1** 01-01 4Gb FC PCI Express Adapter **fcs2** 03-00 4Gb FC PCI Express Adapter **fcs3** 03-01 4Gb FC PCI Express Adapter	**LAN:** **ent0** 00-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent1** 00-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent2** 03-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent3** 03-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **SAN:** **fcs0** 01-00 4Gb FC PCI Express Adapter **fcs1** 01-01 4Gb FC PCI Express Adapter **fcs2** 04-00 4Gb FC PCI Express Adapter **fcs3** 04-01 4Gb FC PCI Express Adapter	**LAN:** **ent0** 00-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent1** 00-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent2** 03-08 2-Port 10/100/1000 Base-TX PCI-X Adapter **ent3** 03-09 2-Port 10/100/1000 Base-TX PCI-X Adapter **SAN:** **fcs0** 01-00 4Gb FC PCI Express Adapter **fcs1** 01-01 4Gb FC PCI Express Adapter **fcs2** 04-00 4Gb FC PCI Express Adapter **fcs3** 04-01 4Gb FC PCI Express Adapter	**LAN:** **ent0** Logical Host Ethernet Port (lp-hea) **ent1** Logical Host Ethernet Port (lp-hea) **lhea0** Logical Host Ethernet Adapter (l-hea) **SAN:** **fcs0** 02-00 4Gb FC PCI Express Adapter **fcs1** 02-01 4Gb FC PCI Express Adapter **fcs2** 01-00 4Gb FC PCI Express Adapter **fcs3** 01-01 4Gb FC PCI Express Adapter
Hypervisor						

Figure 1-4 p6 570 System B hardware breakdowns

Summary

The use of Multiple Logical Partitions with multiple dedicated adapter cards and multipath access to data, along with IBM HACMP, yield a very robust solution for client partitions requiring high levels of data access.

This LOIS/ISIS Application System architecture has following advantages:

- Requirements for high I/O throughput, serviceability, and resilience.
- No hardware resource restrictions.
- Flexibility in both adding additional servers and extending storage capacity.
- Suitable for solutions of Test, Development, and Production environments for Web, Application, and Database servers.

User Information:

Products	User ID	LMS/ISIS/LOIS Password	comments
~~HMC02~~	~~**hscroot**~~	~~abc5678~~	~~192.168.103.213~~
			eth0 10.1.0.1 eth1 192.168.103.213
Servie Processor A	9133-55A*10E35AA		FSP 10.1.13.254
Servie Processor A	9133-55A*10E352A		FSP 10.1.15.254
ASMI	admin	admin	
	~~root~~	~~lms/cm07:rootadm~~	
CM	icmadmin	lms: cmls83 lms/cm07:cmlsdev isis: usls83 lois: lsadm83	
CM	rmadmin	lms: cmrm83 lms/cm07:cmrmdev	
	icmconct	lms: cmct83 lms/cm07:cmctdev	
	ibmcmadm	lms: cmadm83 lms/cm07:cmadm83	
CMOD	admin	lois: isis: adminus	
DB2 admin	dasusr1	lms/admsrv1:dasiu82 lms/cm07: dasiudev	
DB2	db2inst1	Password: lms/admsrv1: db2iu82 lms/cm07:db2iudev lois/icm01: icmdb2iu lois/tsm01: tsmdb2iu isis/emc07: ecmdb2iu isis/ecm09:	Database name: lms/admsrv1: icmnlsdb lois/icm01: icmnlsdb lois/tsm01: archive(root:icm833) isis/ecm07: icmnlsdb isis/ecm09:
DB2	db2inst2	Password: lms/admsrv1: db2iu82 lms/cm07:db2iudev lois/icm02: lois/ipm02: tsmdb2iu isis/ecm08:	Database name: lms/admsrv1: rmdb lois/icm02: rmdb lois/ipm02: usrqry isis/ecm08: rmdb
AIX	rns	lms/admsrv1: rns123	
AIX	isisftp	lms/admsrv1: isftp567	
~~AIX~~	~~root~~	~~blue123~~	-
IBM WAS	wasadmin	???	Security disenabled
App	rns	lms/cm07:rnsdev	
App	isisftp	lms/cm07:isftpdev	
TSM	tsmtape	tsm567	
~~TSM~~	~~admin~~	~~lms/admsrv1:tsmlms~~ ~~lms/cm07:tsmlms~~	-
TSM node	db2bkup	db2bkup	
Tape Library	operator panel	2006	
~~Tape Library RMU~~	~~admin~~	~~grape007~~	~~192.168.103.218~~
-	-	-	-
~~SAN switchs~~	~~admin~~	~~apple007~~	~~192.168.103.216~~
-	-	-	~~192.168.103.217~~
-	-	-	-
~~SAN Controllers~~	~~N/A~~	~~orange007~~	~~192.168.103.214~~

-	-	-	~~192.168.103.215~~

OS level administration

Name	Directory	Description	Output & Logs	Email Notification
starttsm01.ksh	/lois/tsm01/bin	Setup system running environment. • Start TSM SERVER • Start DB2 INST1 • Start arsdb • Start arssockd	/lois/tsm01/bin/starttsm01.log	N/A
stoptsm01.ksh	/lois/tsm01/bin	Shutdown system running environment. • Stop arssockd • Stop arsdb • Stop DB2 INST1 • Stop TSM SERVER	/lois/tsm01/bin/stoptsm01.log	N/A
clean.ksh	/lois/cleanupaix	Clean up database and application running logs • Clean DB2 logs • Clean arstmp logs	/lois/cleanupaix/clean.log	N/A
drslot.sh	/lois/aix/bin	fcs card configuration	N/A	N/A
movep3.ksh	/lois/aix/bin			
tsm01.ksh	/lois/aix/env /lois/aix61upgrade /lois/haupgrade	Collect AIX system configuration information	N/A	N/A
emptylogs.ksh	/lois/aix/env	Remove logs: • db2diag.log • db2inst1.nfy • db2enventlog	N/A	N/A
bkupall.ksh	nim02:/lois/nim02/bin	system backup using nim	./bkupall.out	bchong@livingstonintl.com

HACMP administration

Name	Directory	Description	Output & Logs	Email Notification
starttsm01_app.ksh	/lois/hacmp/bin	Setup system tsm01 running environment. • run starttsm01.ksh	/lois/tsm01/bin/starttsm01.trc	N/A
stoptsm01_app.ksh	/lois/hacmp/bin	Shutdown system tsm01 running environment. • run stoptsm01.ksh	/lois/tsm01/bin/stoptsm01.trc	N/A
startipm02_app.ksh	/lois/hacmp/bin	setup system ipm02 running environment • run startipm02.ksh	/lois/tsm01/bin/startipm02.trc	N/A
stopipm02_app.ksh	/lois/hacmp/bin	Shutdown system ipm02 running environment. • run stopipm02.ksh	/lois/tsm01/bin/startipm02.trc	N/A

DB2 administration

Name	Directory	Description	Output & Logs	Email Notification
db2backup.ksh	/tsmha01/tsmdb2od/bin	db2 backup db archive online use tsm	/tsmha01/tsmdb2od/trc/db2backup.err /tsmha01/tsmdb2od/trc/db2backup.aud	
db2cfg.ksh	/lois/db2mgmt/db2cfg /lois/db2mgmt/db2cfg/v95	• Collect DB2 instance configuration • Collect DB2 database toolsdb/archive configuration	./tl.cfg.$timestamp ./od.cfg.$timestamp	N/A
ddl.ksh	/lois/db2mgmt/db2cfg	Extracts DDL statements to reproduce the database 'archive' objects	ddl.log.$timestamp	N/A
stt.ksh	/lois/db2mgmt/db2cfg	Generates the UPDATE statements that are required to replicate the statistics on tables, statistical views, columns, and indexes.	stt.log.$timestamp	N/A

odreorgchk.ksh	/lois/db2mgmt/reorgchk	Reorganizes 'od' tables or indexes for better performance	./odreorgchk.log.`date +%Y%m%d`	N/A
odlog.ksh	/lois/db2mgmt/txnlogs	for archive using newlogpath /db2logod/od/		
odreorg.ksh	/lois/db2mgmt/reorgtab	Reorganizes ROOT own table for better performance	N/A	N/A
db2snapshot.ksh	/lois/ db2mgmt/snapshot	provides information on database connections, performance, errors and throughput of SQL requests	./od.$timestamp	N/A
odstats.ksh	/lois/db2stats/archive /lois/db2stats/archive/V95	Runstats on DB archive	./rmstats.out	N/A
xtabsys.ksh	/lois/db2stats/archive /lois/db2stats/archive/V95	Reorganizes sys table or an index for better performance	./xtabusr.log	N/A
xtabusr.ksh	/lois/db2stats/archive /lois/db2stats/archive/V95	Reorganizes user table or an index for better performance	./icm02.db2rm.out	N/A
recovebkup.ksh	/lois/cleanupdb2/deldb2	Query db archive backup images and logs from TSM	./recovebkup.out.$timestamp	N/A
deletebkup.ksh	/lois/cleanupdb2/deldb2	Delete full keep 10 db archive backup images and logs from TSM	./deletebkup.out.$timestamp	N/A
bkupod.ksh	/db2bkupod/backupdb	db2 backup db archive online compress include logs		
bkupod.ksh	/db2bkupod/backupfs	Back db2 filesystems • /home/db2inst1 • /home/db2fenc1 • /db2logod • /arsdb • /arsdb_primarylog • /arsdb_archivelog	./*.$bkupdate.out	

TSM administration

Name	Directory	Description	Output & Logs	Email Notification
tsmclient.ksh	/lois/tsmclient/bin	Start both TSM Client agent program dsmcad on • /usr/tivoli/tsm/client/ba/bin/dsm.opt • /tsmha01/tsmhacmp/dsm.opt	/usr/tivoli/tsm/client /ba/bin/logs	N/A
startserver	/lois/tsmfiles/bin	Shell script to start a TSM server		N/A
stopserver	/lois/tsmfiles/bin	Shell script to stop a TSM server		N/A
tsm01.db2od.ksh	/lois/drptsm01/querydb	Query db archive backup images and logs from TSM	./tsm01.db2od.out	N/A
tsmtape.ksh	/home/tsmopr/scripts	• Get a List of Offsite Tape(s) • Check Out the Tape(s) • Get a List of Returned Tape(s) • Check In the Tape(s)	/home/tsmopr/logs/logs	tsmopr@livingstonintl.com

Application administration

Name	Directory	Description	Output & Logs	Email Notification
billing00.ksh	/lois/billing/bin	Run /arsinv/billingapps/LIprinting/printEndOfDay.sh (java com/livingston/print/ExceptionReport)	/lois/billing/log/billing00.log	bchong@livingstonintl.com
billing01.ksh	/lois/billing/bin	Run /arsinv/billingapps/LIprinting/loadLIdocs.sh (java com/livingston/load/LoadLIDocs)	logFile=/lois/billing/log/billing01.log s1File=/lois/billing/status/s1.log p1File=/lois/billing/status/p1.log p2File=/lois/billing/status/p2.log p3File=/lois/billing/status/p3.log p4File=/lois/billing/status/p4.log p5File=/lois/billing/status/p5.log p6File=/lois/billing/status/p6.log	bchong@livingstonintl.com
billing02.ksh	/lois/billing/bin	Run /arsinv/billingapps/LIprinting/loadLIdocs.sh (java com/livingston/load/LoadLIDocs)	logFile=/lois/billing/log/billing02.log s1File=/lois/billing/status/s1.log	bchong@livingstonintl.com

			p1File=/lois/billing/status/p1.log p2File=/lois/billing/status/p2.log p3File=/lois/billing/status/p3.log p4File=/lois/billing/status/p4.log p6File=/lois/billing/status/p6.log	
billing03.ksh	/lois/billing/bin	cd /arsinv/billingapps/LIprinting (touch -f /lois/billing/statusb3/s1.log; ./loadLIB3docs.sh; rm -f /lois/billing/statusb3/s1.log)	logFile=/lois/billing/log/billing03.log s1File=/lois/billing/statusb3/s1.log odFile=/lois/billing/statusod/od.log	bchong@livingstonintl.com
billing04.ksh	/lois/billing/bin	Run /arsinv/billingapps/LIprinting/updateIndex.sh (java com/livingston/indexupdate/ItemAttributeUpdate)	logFile=/lois/billing/log/billing04.log	bchong@livingstonintl.com BBoyczuk@livingstonintl.com LBiernat@livingstonintl.com User_Support@livingstonintl.com
billing05.ksh	/lois/billing/bin	Run /arsinv/billingapps/LIprinting/docConvert.sh (java -Xmx512m com.livingston.convert.TiffConvert)	logFile=/lois/billing/log/billing05.log status05=/lois/billing/status05/status05.log	bchong@livingstonintl.com lois_tech@livingstonintl.com
replayidx.ksh	/lois/billing/bin	Run /arsinv/billingapps/LIprinting/updateIndex.sh (java com/livingston/indexupdate/ItemAttributeUpdate)	logFile=/lois/billing/log/replayidx.out	bchong@livingstonintl.com
reprinted.ksh	/lois/billing/bin	cd /arsinv/billingapps/LIprinting ./reprintLIdocs.sh $1 $2 $3 $4 $5 (java -Xmx512m com/livingston/print/RePrint $NBINV "$1" "$2" "$3" "$4" "$5")	logFile=/lois/billing/log/reprinted.log	bchong@livingstonintl.com
alertprint.ksh	/lois/xlois.alertprint	Urgent: Billing process is too long	./alertprint.out	bchong@livingstonintl.com
alertsockd.ksh	/lois/xlois.alertsockd	psList=$(ps -ef | grep "arssockd" | grep "UNKNOWN" | grep -v grep | awk '{ pri nt $2 }') kill $psList	./alertsockd.out	N/A
migrateod.ksh	/lois/xlois.migrateod	cd /usr/lpp/ars/bin ./arsmaint -cdeimrsv	logFile=/lois/xlois.migrateod/log/migrateod.log	N/A
migrateod1.ksh	/lois/xlois.migrateod	cd /usr/lpp/ars/bin ./arsmaint -dei	logFile=/lois/xlois.migrateod/log/migrateod1.log	N/A
migrateod2.ksh	/lois/xlois.migrateod	cd /usr/lpp/ars/bin ./arsmaint -cmrsv	logFile=/lois/xlois.migrateod2/log/migrateod1.log	N/A
Readme	/lois/xlois.tsmdrm/tsmcutover	Extract the drp file: 1. cd /lois/xlois.tsmdrm/tsmcutover 2. awk -f ./planexp.awk ./plan.xxx		
ATTSG3VB_aixperf.sh	/lois/billing/IBMPMR	MustGather: Performance, Hang or High CPU Issues on AIX	./aixperf_RESULTS.tar.gz	N/A

Hostname	Script Name	Discription	Log	Mail
IHS01	startihs01.ksh	Start IBM HTTPServer & ADMIN Server	logFile=/lois/ihs01/bin/startihs01.log	
	stopihs01.ksh	Stop IBM HTTPServer & ADMIN Server	logFile=/lois/ihs01/bin/stopihs01.log	
	startnmon.ksh	Start NMON program		
	tsmclient.ksh	Start tsm client agent		
	emptylogs84.ksh	Remove IBM HTTPServer logs		
	ihs01.ksh	Collect IHS01 system config information		
	clean.ksh	Remove IBM HTTPServer access_log and error_log		
	en.drslot.sh	Config ent devices		
	fc.drslot.sh	Config fcs devices		
IHS02	startihs02.ksh	Start IBM HTTPServer & ADMIN Server	logFile=/lois/ihs02/bin/startihs02.log	
	stopihs02.ksh	Stop IBM HTTPServer & ADMIN Server	logFile=/lois/ihs02/bin/stopihs02.log	
	startnmon.ksh	Start NMON program		
	tsmclient.ksh	Start tsm client agent		
	emptylogs84.ksh	Remove IBM HTTPServer logs		
	ihs01.ksh	Collect system config information		
	clean.ksh	Remove IBM HTTPServer access_log and error_log		
	en.drslot.sh	Config ent devices		
	fc.drslot.sh	Config fcs devices		
WES01	startwes01.ksh	Start IBM Edge Server	logFile=/lois/wes01/bin/startwes01.log	
	stopwes01.ksh	Stop IBM Edge Server	logFile=/lois/wes01/bin/stopwes01.log	
	tsmclient.ksh	Start tsm client agent		
	emptylogs84.ksh	Remove IBM Edge Server logs		
	wes01.ksh	Collect wes01 system config information		
	startnmon.ksh	Start NMON program		
	clean.ksh	Remove IBM Edge Server access_log and error_log		
	en.drslot.sh	Config ent devices		
	fc.drslot.sh	Config fcs devices		
WES02	startwes02.ksh	Start IBM Edge Server	logFile=/lois/wes02/bin/startwes02.log	

	stopwes02.ksh	Stop IBM Edge Server	logFile=/lois/wes02/bin/stopwes02.log	
	tsmclient.ksh	Start tsm client agent		
	emptylogs84.ksh	Remove IBM Edge Server logs		
	wes02.ksh	Collect wes02 system config information		
	startnmon.ksh	Start NMON program		
	clean.ksh	Remove IBM Edge Server access_log and error_log		
	en.drslot.sh	Config ent devices		
	fc.drslot.sh	Config fcs devices		
WAS01	startwas01.ksh	Start DB2INST1+DM+ICMRM+eClient node + icmrm01/eclientibm01/02 Server	logFile=/lois/was01/bin/startwas01.log	
	stopwas02.ksh	Stop DB2INST1+DM+ICMRM+eClient node + icmrm01/eclientibm01/02 Server	logFile=/lois/was01/bin/stopwas01.log	
	clusteribm_start.ksh	Use the wsadmin to start application servers		
	clusteribm_stop.ksh	Use the wsadmin to stop application servers		
	clusteribm_recycle.ksh	Stop and Start clusteribm	logFile=/lois/was01/bin/clusteribm_recycle.out	
	setprocenv.sh	Set environment variables for /etc/rc.cmrmproc		
	startnmon.ksh	Start NMON program		
	tsmclient.ksh	Start tsm client agent for node was01/was01ha		
	alertfs	Check /lbosdata02 95% full		bchong@livingstonintl.com
	drslot.sh	Config fcs devices		
	emptylogs84.ksh	Remove IBM WebSphere AppServer/ibmcmadm logs		
	was01.ksh	Collect was01 system config information		
	clean.ksh	Remove ibmcmadm tsm01_svc and email tmp files		
	db2cfg.ksh	Get DB2 database manager & database SIBDB configuration information		
	rbind.ksh	Rebind all invalid packages in database SIBDB		
WAS02	startwas02.ksh	Start ICMRM/eClient node & icmrm02/eclientibm03 Server	logFile=/lois/was02/bin/startwas02.log	
	stopwas02.ksh	Stop icmrm02/eclientibm03 Server & ICMRM/eClient node	logFile=/lois/was02/bin/stopwas02.log	
	setprocenv.sh	Set environment variables for /etc/rc.cmrmproc		
	startnmon.ksh	Start NMON program		

	tsmclient.ksh	Start tsm client agent for node was02/was02ha		
	alertfs	Check /lbosdata13 95% full		bchong@livingstonintl.com dguo@livingstonintl.com
	drslot.sh	Config fcs devices		
	emptylogs84.ksh	Remove IBM WebSphere AppServer logs		
	was02.ksh	Collect was02 system config information		
	clean.ksh	Remove ibmcmadm tsm01_svc and email tmp files		
	db2cfg.ksh	Get DB2 database manager configuration information		
ICM01	starticm01.ksh	Start DB2INST1+ LSDEAMON	logFile=/lois/icm01/bin/starticm01.log	
	stopicm01.ksh	Stop DB2INST1+ LSDEAMON	logFile=/lois/icm01/bin/stopicm01.log	
	startnmon.ksh	Start NMON program		
	tsmclient.ksh	Start tsm client agent for node icm01/icm01ha		
	emptylogs.ksh	Remove /tmp icmserver.log & ./db2dump logs		
	drslot.sh	Config fcs devices		
	icm01.ksh	Collect icm01 system config information		
	clean.ksh	Remove /tmp icmserver.log & db2dump logs		
	recovebkup.ksh	Query icmnlsdb backup images and logs from TSM	logfile=/admin/cleanupdb2/deldb2/recovebkup.out	
	deletebkup.ksh	Delete icmnlsdb backup images and logs from TSM		
	bp.ksh	Alter bufferpool icmlsmainbp32 to 33000		
	clvs.ksh	Create Index on ICMUT01021001/3001/9001		
	index.ksh	Create Indexes		
	z3.ksh	Create index on ICMSTCHECKEDOUT/00206001		
	ddl.ksh	Extracts DDL statements to reproduce the database objects for icmnlsdb		
	stt.ksh	Generates the UPDATE statements that are required to replicate the statistics		
	eventmon.ksh	Create event monitor evm1 for database, statements, deadlocks	eventmon.out	
	lsreorgchk.ksh	Calculates statistics on the database icmnlsdb	lsreorgchk.log	
	lsreorg.ksh	Reorganizes a table or an index for better performance		
	snapshot.ksh	Get a summary of system status	/admin/db2mgmt/snapshot/tmp	

	lslog.ksh	Update DB icmnlsdb newlogpath		
	lsstats.ksh	Runstats on DB icmnlsdb	lsstats.out	
	xtabsys.ksh	Reorganizes sys table or an index for better performance	xtabsys.log	
	xtabusr.ksh	Reorganizes user table or an index for better performance	xtabusr.log	
	icm01.db2ls.ksh	Query icmnlsdb backup images and logs from TSM	icm01.db2ls.out	
	db2backup.ksh	Backup icmnlsdb online use TSM	logErrFile=/tsmha01/tsmdb2ls/trc/db2backup.err	
	alertDog.ksh	monitor the errpt message	opsmgr/log/monitorLog/alertDog.log	bchong@livingstonintl.com
	cleanup.ksh	Cleanup system operation logs	cleanup.out	
	deltsmdb2.ksh	Delete backup image of icmnlsdb/rmdb/archive/usrqry database in TSM	deltsmdb2.out	
	emailDog.ksh	email Imaging Server Morning Readiness Anouncement	msgLog=/opsmgr/log/monitorLog/emailDog.log	bchong@livingstonintl.com
	sysbkup.ksh	system backup using mksysb	/opsmgr/log/sysbkupLog	bchong@livingstonintl.com
	watchDog.ksh	monitor the Imaging Server environments	msgLog=/opsmgr/log/monitorLog/watchDog.log	bchong@livingstonintl.com
	planexp.awk	extract the TSM drp file		
	backupdb2.ksh	Backup icmnlsdb/rmdb/archive/usrqry/toolsdb/testdb01 online use TSM	logFile=/usr/local/backupdb/log/backupdb.log	
	billing01.ksh	# call CLVSindexUpload.sh script # call loadLIdocs.sh script # call printEndOfDay.sh script # call loadBillingRules.sh script # call updateIndex.sh script # call printLIdocs1.sh script	logFile=/usr/local/billing/log/billing01.log	bchong@livingstonintl.com user_support@livingstonintl.com bboyzcuk@livingstonintl.com rali@adminserv.ca clale@adminserv.ca
	billing02.ksh	# call loadLIdocs.sh script # call printLIdocs1.sh script	logFile=/usr/local/billing/log/billing02.log	bchong@livingstonintl.com user_support@livingstonintl.com bboyzcuk@livingstonintl.com rali@adminserv.ca clale@adminserv.ca

	billing03.ksh	# call loadLIdocs.sh script	logFile=/usr/local/billing/log/billing03.log	bchong@livingstonintl.com user_support@livingstonintl.com bboyzcuk@livingstonintl.com rali@adminserv.ca clale@adminserv.ca
	billprt1.ksh	# call printLIdocs.sh script	logFile=/usr/local/billing/log/billprt1.log	
	billprt2.ksh	# call printLIdocs.sh Y script	logFile=/usr/local/billing/log/billprt2.log	
	endofday.ksh	# call printEndOfDay.sh script	logFile=/usr/local/billing/log/endofday.log	
	oneshot.sh.ksh	# call OneShotUpdateStatus.sh script	logFile=/usr/local/billing/log/oneshot.log	
	billingstartnow.ksh	HACMP startup script for the billing application	logFile=/usr/local/hacmp/billingstartnow83.log	
	billingstopnow.ksh	HACMP shutdown script for the billing application	logFile=/usr/local/hacmp/billingstopnow83.log	
	imagingstartnow.ksh	HACMP startup script for the imaging application	logFile=/usr/local/hacmp/imagingstartnow83.log	
	imagingstopnow.ksh	HACMP shutdown script for the imaging application	logFile=/usr/local/hacmp/imagingstopnow83.log	
ICM02	starticm02.ksh	Start DB2INST2	logFile=/lois/icm01/bin/starticm01.log	
	stopicm02.ksh	Stop DB2INST2	logFile=/lois/icm01/bin/stopicm01.log	
	startnmon.ksh	Start NMON program		
	tsmclient.ksh	Start tsm client agent for node icm02/icm02ha		
	emptylogs.ksh	Remove /tmp icmserver.log & ./db2dump logs		
	drslot.sh	Config fcs devices		
	icm02.ksh	Collect icm02 system config information		
	clean.ksh	Remove db2dump logs		
	recovebkup.ksh	Query rmdb backup images and logs from TSM	logfile=/admin/cleanupdb2/deldb2/recovebkup.out	
	deletebkup.ksh	Delete rmdb backup images and logs from TSM		
	select_rmvolumes.ksh	Select information from rmadmin.rmvolumes		
	update_rmvolumes.ksh	Update rmvolumes VOL_LOGICALNAME with VOL_VOLUMEID		
	db2cfg.ksh	Get db manager and db rmdb configure parameters		
	rmbp.ksh	Alter bufferpool ibmdefaultbp/smspool to 33000		
	ddl.ksh	Extracts DDL statements to reproduce the database objects for rmdb		
	stt.ksh	Generates the UPDATE statements that are required to		

		replicate the statistics		
	eventmon.ksh	Create event monitor evm1 for database, statements, deadlocks	eventmon.out	
	rmreorgchk.ksh	Calculates statistics on the database rmdb	rmreorgchk.log	
	rmreorg.ksh	Reorganizes a table or an index for better performance		
	snapshot.ksh	Get a summary of system status	/admin/db2mgmt/snapshot/tmp	
	rmlog.ksh	Update DB rmdb newlogpath		
	rmstats.ksh	Runstats on DB rmdb	rmstats.out	
	xtabsys.ksh	Reorganizes sys table or an index for better performance	xtabsys.log	
	xtabusr.ksh	Reorganizes user table or an index for better performance	xtabusr.log	
	icm02.db2rm.ksh	Query rmdb backup images and logs from TSM	icm02.db2rm.out	
	db2backup.ksh	Backup icmnlsdb online use TSM	logErrFile=/tsmha02/tsmdb2rm/trc/db2backup.err	
	alertDog.ksh	monitor the errpt message	opsmgr/log/monitorLog/alertDog.log	bchong@livingstonintl.com
	cleanup.ksh	Cleanup system operation logs	cleanup.out	
	deltsmdb2.ksh	Delete backup image of icmnlsdb/rmdb/archive/usrqry database in TSM	deltsmdb2.out	
	emailDog.ksh	email Imaging Server Morning Readiness Anouncement	msgLog=/opsmgr/log/monitorLog/emailDog.log	bchong@livingstonintl.com
	sysbkup.ksh	system backup using mksysb	/opsmgr/log/sysbkupLog	bchong@livingstonintl.com
	watchDog.ksh	monitor the Imaging Server environments	msgLog=/opsmgr/log/monitorLog/watchDog.log	bchong@livingstonintl.com
	planexp.awk	extract the TSM drp file		
	backupdb2.ksh	Backup icmnlsdb/rmdb/archive/usrqry/toolsdb/testdb01 online use TSM	logFile=/usr/local/backupdb/log/backupdb.log	
	db2del02.ksh	Delete database rmdb backup image from TSM	/opsmgr/drm/aix/db2del02.out	
TSM01	starttsm01.ksh	Start TSM Server + DB2INST1 + ARSDB + ARSSOCKD	logFile=/lois/tsm01/bin/starttsm01.log	
	stoptsm01.ksh	Stop ARSSOCKD + ARSDB + DB2INST1 + TSM Server	logFile=/lois/tsm01/bin/stoptsm01.log	
	tsmclient.ksh	Start tsm client agent for node tsm01/tsm01ha		
	emptylogs.ksh	Remove /tmp icmserver.log & ./db2dump logs		
	drslot.sh	Config fcs devices		
	tsm01.ksh	Collect tsm01 system config information		

	billing00.ksh	# call CLVSindexUpload.sh script # call printEndOfDay.sh script # call loadBillingRules.sh script # call updateIndex.sh script	logFile=/lois/billing/log/billing00.log	bchong@livingstonintl.com
	billing01.ksh	# call loadLIdocs.sh script # call printLIdocs1.01.sh script	logFile=/lois/billing/log/billing01.log	bchong@livingstonintl.com
	billing02.ksh	# call loadLIdocs.sh script # call printLIdocs1.02.sh Y script	logFile=/lois/billing/log/billing02.log	bchong@livingstonintl.com
	billing03.ksh	# call loadLIB3docs.sh	logFile=/lois/billing/log/billing03.log	bchong@livingstonintl.com
	billing04.ksh	# call updateIndex.sh	logFile=/lois/billing/log/billing04.log	bchong@livingstonintl.com
	billing05.ksh	# call docConvert.sh	logFile=/lois/billing/log/billing05.log	bchong@livingstonintl.com lois_tech@livingstonintl.com
	delteimg.ksh	Delete /arstmp/in/print/I*		
	ftpextpdf.ksh	java -Xmx512m com.livingston.extract.PDFExtract java -Xmx512m com.livingston.extract.LateImageExtract java -Xmx512m ProcessFTPtoClient > unhandled_excps.out	logFile=/lois/billing/log/ftpextpdf.log	lois_tech@livingstonintl.com
	replayindx.ksh	# call updateIndex.sh	logFile=/lois/billing/log/replayidx.log	
	reprinted.ksh	# call reprintLIdocs.sh	logFile=/lois/billing/log/reprinted.log	bchong@livingstonintl.com
	clean.ksh	clean /home/db2inst1/sqllib/db2dump/db2diag.log & db2inst1.nfy clean /arstmp/in/print/P*.afp clean /arstmp/in/print/back/P*.bak clean /arstmp/in/backup/20* * ./in/backup/20*		
	recovebkup.ksh	Query db archive backup images and logs from TSM	logfile=/admin/cleanupdb2/deldb2/recovebkup.out	
	deletebkup.ksh	Delete db archive backup images and logs from TSM		
	db2cfg.ksh	Get db manager and db toolsdb+archive configure parameters		
	rmbp.ksh	Alter bufferpool ibmdefaultbp/smspool to 33000		
	ddl.ksh	Extracts DDL statements to reproduce the database objects for archive		
	stt.ksh	Generates the UPDATE statements that are required to replicate the statistics		
	odreorgchk.ksh	Reorganizes od tables or indexes for better performance		

	odreorg.ksh	Reorganizes ROOT own table for better performance		
	db2snapshot.ksh	Get a summary of system status	/admin/db2mgmt/snapshot/tmp	
	odlog.ksh	Update DB archive newlogpath		
	odstats.ksh	Runstats on DB archive	rmstats.out	
	xtabsys.ksh	Reorganizes sys table or an index for better performance	xtabsys.log	
	xtabusr.ksh	Reorganizes user table or an index for better performance	xtabusr.log	
	tsm01.db2od.ksh	Query archive backup images and logs from TSM	icm02.db2rm.out	
	db2backup.ksh	Backup archive online use TSM	logErrFile=/tsmha02/tsmdb2rm/trc/db2backup.err	
	alertDog.ksh	monitor the errpt message	opsmgr/log/monitorLog/alertDog.log	bchong@livingstonintl.com
	cleanup.ksh	Cleanup system operation logs	cleanup.out	
	deltsmdb2.ksh	Delete backup image of icmnlsdb/rmdb/archive/usrqry database in TSM	deltsmdb2.out	
	emailDog.ksh	email Imaging Server Morning Readiness Anouncement	msgLog=/opsmgr/log/monitorLog/emailDog.log	bchong@livingstonintl.com
	sysbkup.ksh	system backup using mksysb	/opsmgr/log/sysbkupLog	bchong@livingstonintl.com
	watchDog.ksh	monitor the Imaging Server environments	msgLog=/opsmgr/log/monitorLog/watchDog.log	bchong@livingstonintl.com
	planexp.awk	extract the TSM drp file		
	alertprint.ksh	Warning too long print process list		bchong@livingstonintl.com
	alertsockd.ksh	Kill unknown arssockd		
	p8ftp.ksh	ftp local /admin/printDR/tmp/* to 192.168.147.99.21		
	migrateod.ksh	# call arsmaint -cdeimrsv	logFile=/lois/xlois.migrateod/log/migrateod.log	
	migrateod1.ksh	# call arsmaint -dei	logFile=/lois/xlois.migrateod/log/migrateod1.log	
	migrateod2.ksh	# call arsmaint -cmrsv	logFile=/lois/xlois.migrateod/log/migrateod2.log	
	tsmtape.ksh	TSM tape Library (tapes) management	logpath=/home/tsmopr/logs/logs	tsmopr@livingstonintl.com
NIM02				
	tsmclient.ksh	Start tsm client agent for node nim02		
	bkupall.ksh	mksysb for all lois systems to /nim/mksysb_images		
	listall.ksh	list nim environment		
IPM02	startipm02.ksh	start DB2INST2	logFile=/lois/ipm02/bin/startipm02.log	
	stopipm02.ksh	stop DB2INST2	logFile=/lois/ipm02/bin/stopipm02.log	

	tsmclient.ksh	Start tsm client agent for node ipm02/ipm02ha		
	emptylogs.ksh	Remove db2dump logs		
	drslot.sh	Config fcs devices		
	ipm02.ksh	Collect ipm02 system config information		
	clean.ksh	Remove db2dump logs		
	recovebkup.ksh	Query db usrqry backup images and logs from TSM		
	deletebkup.ksh	Delete db usrqry backup images and logs from TSM		
	billpdf/	Create Table ICMADMIN.INVEXTRACT, LATEIMAGEDOC, LATEDOC		
	ftpinv/	Create Table DB2INST2.FTP_CLIENT		
	printfileb2/	ALTER TABLE ICMADMIN.BILLINGRULES,INVOICES,TMPINVOICES,TMPB3INVOICESINVBACKUP		
	printfilep5/	CREATE TABLE ICMADMIN.CUSTSUMMARY5		
	printfilep6/	CREATE TABLE ICMADMIN.CUSTSUMMARY6		
	printfilep78/	CREATE TABLE ICMADMIN.CUSTSUMMARY7,8		
	reprint/	CREATE TABLE ICMADMIN.REPRINTFILE,REPRINTCUSTSUMMARY,TEMPREPRINTREPORT		
	uscustom/	CREATE TABLE DB2INST2.USCUSTOMPORTS_TABLE		
	uqreorgchk.ksh	Reorganizes usrqry tables or indexes for better performance		
	uqreorg.ksh	Reorganizes ICMADMIN own table for better performance		
	db2snapshot.ksh	Get a summary of system status	/admin/db2mgmt/snapshot/tmp	
	uqlog.ksh	Update DB usrqry newlogpath		
	uqstats.ksh	Runstats on DB usrqry	rmstats.out	
	xtabsys.ksh	Reorganizes sys table or an index for better performance	xtabsys.log	
	xtabusr.ksh	Reorganizes user table or an index for better performance	xtabusr.log	

Procedures for Lois reprint

1. telnet tsm01 and login as root
2. update /arstmp/in/reprint/reprint.txt from a user file
3. ensure the daily print is complete
4. then cd /lois/billing/bin; ./ reprinted.ksh 1

The backup of cm05 server is complete.
Please label the backup date and send these tapes off site for 1 year.

CM05-B01 (mksysb)
CM05-B02 (imagingvg)
CM05-B03 (billingvg)

The backup of cm01 and cm02 is complete.
Please label the backup date and send these tapes off site for 1 year.

CM01-B01 (mksysb)
CM01-B02 (imagingvg)

CM02-B01 (mksysb)
CM02-B02 (rmvg)
CM02-B03 (docvg)
CM02-B04 (billingvg)

PDC-ISIS DR Startup Steps

use Citrix client to access the DR-ISIS environment
telnet to DR-ISIS LPARs (ecm01/02/03/04/05/06/07/08/09/10/11)

run lspv to verify LUN definitions
run lsvg to verify ODM definitions
run nslookup to verify DNS definitions
run netstat to verify NETWORK definitions

telnet ecm05; smitty hacmp; start ecm05 and ecm06
telnet ecm07; smitty hacmp; start ecm07 and ecm08
telnet ecm09; smitty hacmp; start ecm09 and ecm10

telnet ecm11; cd /isis/ecm11/bin; ./startecm11.ksh
telnet ecm09; cd /isis/ecm09/bin; ./startecm09.ksh
telnet ecm10; cd /isis/ecm10/bin; ./startecm10.ksh
telnet ecm07; cd /isis/ecm07/bin; ./startecm07.ksh
telnet ecm08; cd /isis/ecm08/bin; ./startecm08.ksh

telnet ecm02; cd /isis/ecm02/bin; ./startecm02.ksh
telnet ecm03; cd /isis/ecm03/bin; ./startecm03.ksh
telnet ecm04; cd /isis/ecm04/bin; ./startecm04.ksh

telnet ecm05; cd /isis/ecm05/bin; ./startecm05.ksh
telnet ecm06; cd /isis/ecm06/bin; ./startecm06.ksh

DR-ISIS DR URLs

Verify each software layer of ISIS environment
http://isis/eclient_wf_cluster/IDMLogon2.jsp
http://10.153.254.141/eclient_wf_cluster/IDMLogon2.jsp

Recover LOIS Production (Sep 7, 2012)

Restore the mksysb images (AIX 6100-06-05-1115)

- hostname wes02, ihs01, ihs02, was01, was02, icm01, icm02, tsm01, ipm02
- ifconfig en0 down detach
- rmdev –dl en0; rmdev –dl et0; rmdev –dl ent0
- smitty tcpip; 192.168.108.110; 255.255.255.0
- DNS=192.168.100.7
- Gateway=192.168.105.254
- update /etc/hosts
- update /etc/resolv.conf

Setup servers' network

- wes02 server (6 nic interfaces)
- en4 192.168.108.110 wes02
- en5 192.168.105.111 wes02_app
- ***
- ihs01 server
- en0 192.168.108.20 ihs01
- en1 192.168.105.21 ihs01_app
- ***
- ihs02 server
- en0 192.168.108.120 ihs02
- en1 192.168.105.121 ihs02_app
- ***
- was01 server
- en0 192.168.108.30 was01
- en1 192.168.105.34 was01_svc
- ***
- was02 server
- en0 192.168.108.130 was02
- en1 192.168.105.134 was02_svc
- ***
- icm01 server
- en0 192.168.108.40 icm01
- en1 192.168.105.44 icm01_svc
- ***
- icm02 server
- en0 192.168.108.140 icm02
- en1 192.168.105.144 icm02_svc
- ***
- tsm01 server
- en0 192.168.108.50 tsm01
- en1 192.168.105.54 tsm01_svc
- ***
- ipm02 server
- en0 192.168.108.150 ipm02
- en1 192.168.105.154 ipm02_svc
- ***

Setup DNS server

- root@wes02# cat /etc/resolv.conf
- nameserver 192.168.100.7

- nameserver 192.168.253.7
- domain livingstonintl.com
- root@wes02#

Setup laptops network

- IP address=192.168.105.180
- Subnet mask=255.255.255.0
- Default gateway=192.168.105.254

Present the disks

- Install EMC Clarrion device drivers
- RecoverPoint present the LUNs
- CG1=was01 and was02
- CG2=icm01 and icm02
- CG3=tsm01 and ipm02
- check pvid and hdisks
- lsdev –Cc disk
- for i in `lsdev -Cc disk | grep Array | awk '{print $1}'`
- do
- rmdev –dl $i
- done

Import VG and mount FS

- lspv
- chdev –l hdisk??? –a pv=yes
- importvg –y’tsmvg’ –V’101’ hdiskx
- varyonvg
- mount fs

Setup nfs

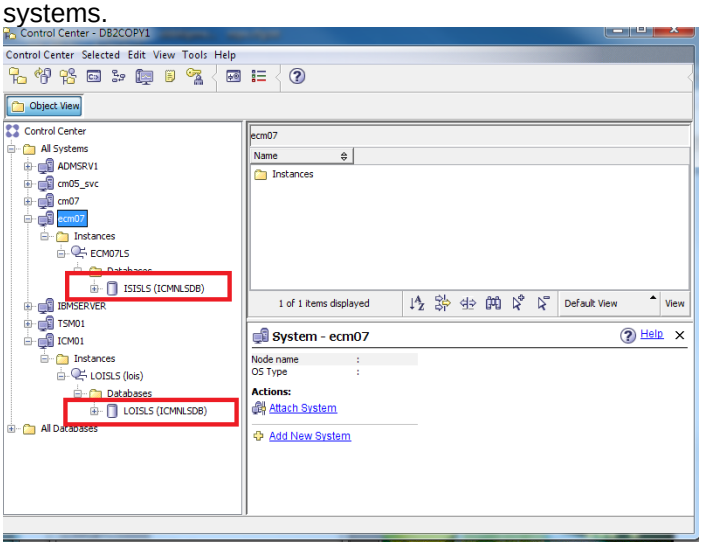
- was01 server
- was01: smitty nfs; add a directory to exports; /lbosdata01x; was01, was02
- was01: exportfs -a
- was01: mount was01_svc:/lbosdata01x /lbosdata01
- was02: mount was01_svc:/lbosdata01x /lbosdata01

Start up the apps

- tsm01 and ipm02
- icm01 and icm02
- wes02
- ihs01 and ihs02
- was01 and was02

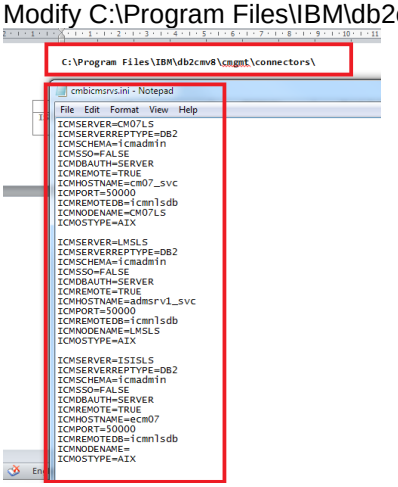
Windows pClient

1. Using DB2 Control Center, catalog LOIS/ISIS library server db2 on windows, ***ISISLS*** and ***LOISLS*** are the alias names for database ***icmnlsdb*** on both LOIS (server name: icm01)/ISIS (server name: ecm07) systems.

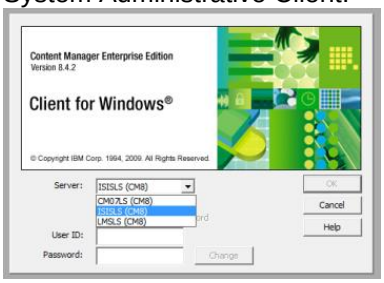


- CATALOG TCPIP NODE ***icm01LS*** REMOTE ***icm01*** SERVER ***50000*** REMOTE_INSTANCE ***db2inst1***;
- CATALOG DATABASE ***ICMNLSDB*** AS ***LOISLD*** AT NODE ICM01LS;

2. Modify C:\Program Files\IBM\db2cmv8\cmgmt\connectors\cmbicmsrvs.ini



3. Start pClient, select the Library Server (DB2 databases defined in step 1), enter the user ID and password, User ID should be defined in IBM Content Manager, and must be an OS user if logon IBM CM System Administrative Client.



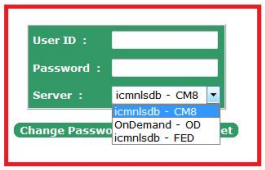
WAS eClient

ISIS:

http://isis/eclient_wf_cluster/IDMLogon2.jsp

LOIS:

http://ecm03/eclient_wf_cluster/IDMLogon2.jsp
http://ecm04/eclient_wf_cluster/IDMLogon2.jsp



IBM Content Manager System Administrative Client (Linux)

```
# xhost +
# su - icmadmin
$ cd /opt/IBM/db2cmv8/admin/common
$ ./cmadmin.sh
```

```
User ID: icmadmin; password:

Add more Library Server (icmnlsdb)
-bash-3.2$ cd  /home/ibmcmadm/cmgmt/connectors


-bash-3.2$ more cmbicmsrvs.ini

ICMSERVER=icmnlsdb
ICMSERVERREPTYPE=DB2
ICMSCHEMA=icmadmin
ICMSSO=FALSE
ICMDBAUTH=SERVER
ICMREMOTE=TRUE
ICMHOSTNAME=localhost
ICMPORT=50000
ICMREMOTEDB=icmnlsdb
ICMNODENAME=
ICMOSTYPE=AIX
ICMJDBCDRIVER=
ICMJDBCURL=
ICMJNDIREF=
ICMDBVER=
ICMGMTSYSATTRTS=

ICMSERVER=LMS
ICMSERVERREPTYPE=DB2
ICMSCHEMA=icmadmin
ICMSSO=FALSE
ICMDBAUTH=SERVER
ICMREMOTE=TRUE
ICMHOSTNAME=admsrv1_svc
ICMPORT=50000
ICMREMOTEDB=icmnlsdb
ICMNODENAME=
```

```
ICMOSTYPE=AIX
ICMJDBCDRIVER=
ICMJDBCURL=
ICMJNDIREF=
ICMDBVER=
ICMGMTSYSATTRTS=


ICMSERVER=cm07
ICMSERVERREPTYPE=DB2
ICMSCHEMA=ICMADMIN
ICMSSO=FALSE
ICMDBAUTH=SERVER
ICMREMOTE=FALSE
ICMHOSTNAME=cm07
ICMPORT=50000
ICMREMOTEDB=icmnlsdb
ICMNODENAME=
ICMOSTYPE=AIX
ICMJDBCDRIVER=
ICMJDBCURL=

ICMSERVER=lois
ICMSERVERREPTYPE=DB2
ICMSCHEMA=ICMADMIN
ICMSSO=FALSE
ICMDBAUTH=SERVER
ICMREMOTE=true
ICMHOSTNAME=icm01
ICMPORT=50000
ICMREMOTEDB=icmnlsdb
ICMNODENAME=
ICMOSTYPE=AIX
ICMJDBCDRIVER=
ICMJDBCURL=

ICMSERVER=isis
ICMSERVERREPTYPE=DB2
ICMSCHEMA=ICMADMIN
ICMSSO=FALSE
ICMDBAUTH=SERVER
ICMREMOTE=FALSE
ICMHOSTNAME=ecm07
ICMPORT=50000
ICMREMOTEDB=icmnlsdb
ICMNODENAME=
ICMOSTYPE=AIX
ICMJDBCDRIVER=
ICMJDBCURL=
```

Production WAS Cell topology

A cell is a configuration/management concept, a way for an administrator to logically associate nodes, servers/clusters and applications

Cell	was01Cell02				
Host Name					
Profiles	profiledmgr				
Node agent	-				
Node		was01eclientibmNode03	was02eclientibmNode03	was01icmrmNode02	was02icmrmNode02
Server Cluster					
Application Server					
CELL_DISCOVERY_ADDRESS	7300				
BOOTSTRAP_ADDRESS	9810	2827	2826	2823	2822
IPC_CONNECTOR_ADDRESS	9632	9627	9627	9626	9626
SOAP_CONNECTOR_AD	8893	8898	8896	8894	8892

DRESS					
ORB_LISTENER_ADDRESS	9107	9111	9108	9108	9106
SAS_SSL_SERVERAUTH_LISTENER_ADDRESS	9438	9908	9908	9905	9905
CSIV2_SSL_MUTUALAUTH_LISTENER_ADDRESS	9439	9214	9214	9210	9210
CSIV2_SSL_SERVERAUTH_LISTENER_ADDRESS	9437	9213	9213	9209	9209
WC_adminhost	9072				
WC_adminhost_secure	9055				
WC_defaulthost					
WC_defaulthost_secure					
DCS_UNICAST_ADDRESS	9363	9371	9371	9366	9367
XDAGENT_PORT					
OVERLAY_UDP_LISTENER_ADDRESS					
OVERLAY_TCP_LISTENER_ADDRESS					
DataPowerMgr_inbound_secure	5555				
STATUS_LISTENER_ADDRESS					
NODE_DISCOVERY_ADDRESS		7307	7300	7301	7296
NODE_IPV6_MULTICAST_DISCOVERY_ADDRESS		5012	5012	5008	5008
NODE_MULTICAST_DISCOVERY_ADDRESS		5013	5013	5009	5009
SIP_DEFAULTHOST					
SIP_DEFAULTHOST_SECURE					
SIB_ENDPOINT_ADDRESS					
SIB_ENDPOINT_SECURE_ADDRESS					
SIB_MQ_ENDPOINT_ADDRESS					
SIB_MQ_ENDPOINT_SECURE_ADDRESS					

Application server ports definition location: /opt/IBM/WebSphere/AppServer/profiles/AppSrv01/properties/portdef.props

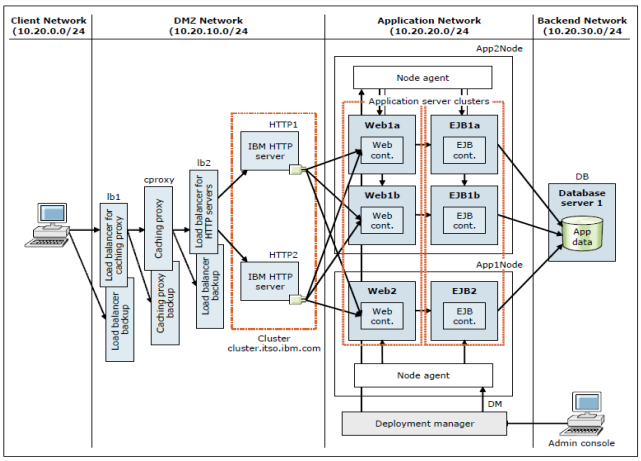
TIPS: Current WAS Administrative URL:

http://cm01:9060/ibm/console/
http://was01:9072/ibm/console/
http://cm07:9060/ibm/console/ (Cell=cm07Node01Cell, Profile=AppSrv01, Application=eClient)
http://cm07:9061/ibm/console/ (Cell=cm07Node02Cell, Profile=AppSrv02, Application=icmrm)

- was01Cell02
  - Nodes
    - was01CellManager02 (ND 7.0.0.9)
      - Servers
        - dmgr
    - was01eclientibmNode03 (ND 7.0.0.9)
      - Servers
        - nodeagent
        - eclientibm01
        - eclientibm02
    - was02eclientibmNode03 (ND 7.0.0.9)
      - Servers
        - nodeagent
        - eclientibm03
        - eclientibm04
    - ihs01node (No version)
      - Servers
        - webserver1
    - was02icmrmNode02 (ND 7.0.0.9)
      - Servers
        - icmrm02
        - nodeagent
    - ihs02node (No version)
      - Servers
        - webserver2
    - was01icmrmNode02 (ND 7.0.0.9)
      - Servers
        - nodeagent
        - icmrm01
  - Applications
    - query.ear
    - SamplesGallery.ear
    - eClient_WF_CLUSTER.ear
      - eClient_WF_CLUSTER
    - ivtApp.ear
    - icmrm.ear
      - icmrm
    - DefaultApplication.ear
    - PlantsByWebSphere.ear
    - WebSphereWSDM.ear
    - ibmasyncrsp.ear
    - isclite.ear
  - Clusters
    - cluster_eclientibm
    - cluster_icmrm
  - Node groups
    - DefaultNodeGroup

Implement Content Manager on WAS Network Deployment package on a single windows server with Linux on VMware Workstation

This topology includes the following elements:



A load balancer directs incoming requests to the caching proxy and a second load balancer to manage the workload across the HTTP servers.

Load Balancer is included in WebSphere Application Server Edge Component. Load Balancer distributes incoming client requests across servers, balancing workload and providing high availability by routing around unavailable servers. A backup server is configured for each primary Load Balancer to provide high availability.

A Caching Proxy with a backup server in passive mode for high availability. Caching Proxy is included in WebSphere Application Server Edge Components. Cacheable content includes static web pages and JavaServer Pages (JSPs) with dynamically generated but infrequently changed fragments. The Caching Proxy can satisfy subsequent requests for the same content by delivering it directly from the local cache, which is much quicker than retrieving it again from the content host.

Two IBM HTTP Server Web servers configured in a cluster Incoming requests for static content are served by the web server. Requests for dynamic content are forwarded to the appropriate application server by the web server plug-in.

A dedicated server hosts the deployment manager. The deployment manager is required for administration but is not critical to the runtime execution of applications. Having a separate server for the deployment manager instead of placing it in on one of the node's servers leaves more resources available for the application servers. Also if a problem occurs with the node server, the administration of the other nodes is still possible. Additionally, the deployment manager has a master copy of the configuration that must be backed up on a regular basis.

Two clusters consist of three application servers. Each cluster spans two machines. In this topology, one cluster contains application servers that provide the web container functionality of the applications (servlets and JSPs), and the second cluster contains the EJB container functionality. Whether you choose to use clusters is a matter of careful consideration. Although using clusters provides failover and workload management capabilities for web and EJB containers, it can also affect performance.

A dedicated database server runs the database.

Install the Library and the Resource manager, DB2 Enterprise Database, IBM HTTP Server (with WAS plugins), IBM Websphere Application Server on a single Linux workstation.

Set up central administration of client property files for ease of system management.

Install Tivoli® Storage Manager Client to provide access to long-term storage. Set up hierarchical storage architecture with local storage system and TSM storage system.

Set up pClient environment. The Client for Windows enables the agents to query, view, and update data stored on the DB2 Content Manager system from their own workstation desktops. Because it is a dedicated client, the Client for Windows has rich functionality and responds rapidly.

The Client for Windows requires cataloging the library server database on the client workstation. The DB2® Run-Time Client is required to catalog the database on the client workstation.

TIPS: How to delete a profile from a WebSphere application server.

1. Location of tool: <root>\AppServer\bin\manageprofiles.bat
   ```
   manageprofiles.bat -delete -profileName <profile_name> (case sensitive commands)
   ```

   Note: This used to be wasprofile.bat in version 6.0.x and is depricated in 6.1. The Windows service for the profile will have been set to disabled now.

2. Delete the folder e.g <root>\ApplicationServer\profiles\<profile_name>

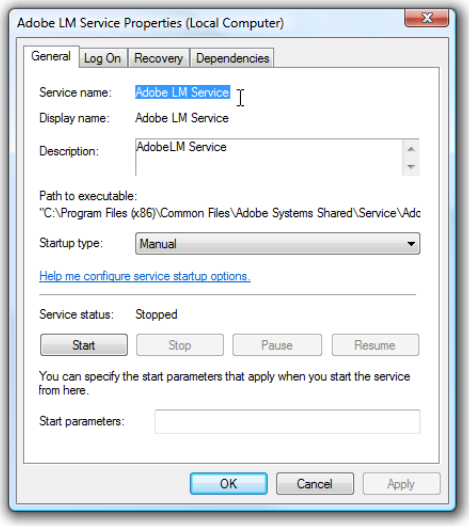
3. manageprofiles.bat -validateAndUpdateRegistry

   This process validates the profile registry and lists the non-valid profiles that it purges.

4. Remove the Windows service that is set to run the profile.
   ```
   WASService.exe -remove service_name
   ```

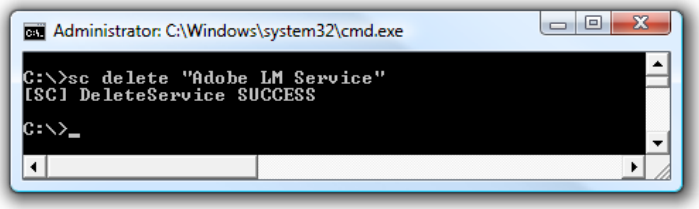
TIPS: How to delete a service in Windows server.

1. You'll want to open up the properties by double-clicking on the service name, and then highlight the "Service name" value and copy it to the clipboard. This is what we'll need to disable it.



2. You'll need to open up a command prompt, and if you are using Windows 7 or Vista you'll need to right-click the command prompt and choose Run as Administrator. We'll use the sc command to actually do the work.
   ```
   sc delete ServiceName
   ```

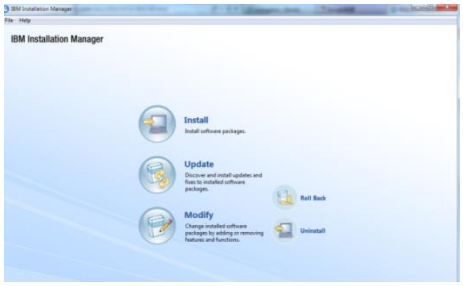
3. If your service name has spaces in it, you'll need to wrap the service name in quotes, like this:
   ```
   sc delete "Adobe LM Service"
   ```



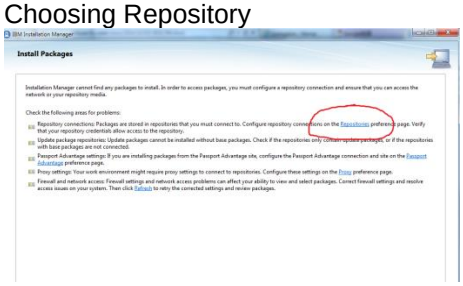
Note: You should think long and hard before deleting a service, because it’s very difficult to get them back once they are gone.

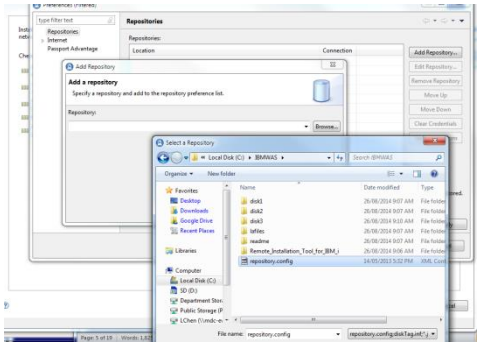
IBM® WebSphere® Application Server Network Deployment Trial Version 8.5.5

Download this WAS ND Version 8.5.5, and install it on Windows Server, Start IBM Installation Manager

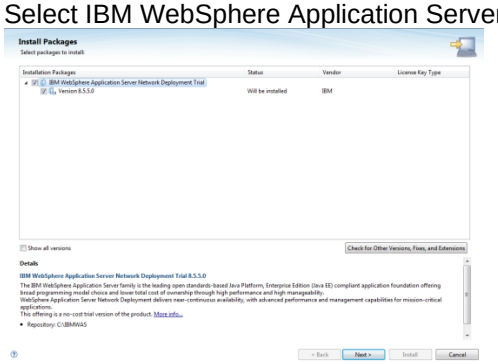


Choosing Repository

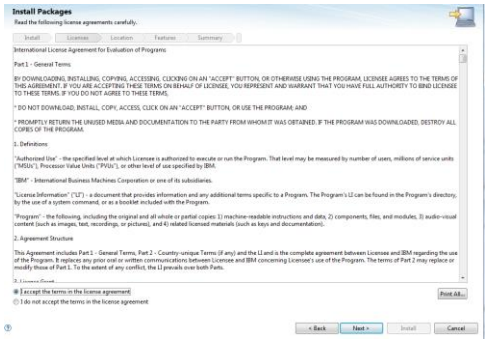




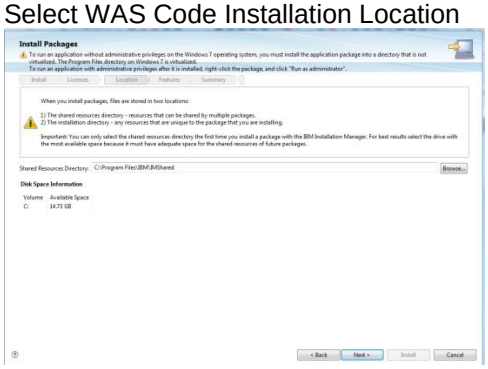
Select IBM WebSphere Application Server Network Deployment Trail - Version 8.5.5.0



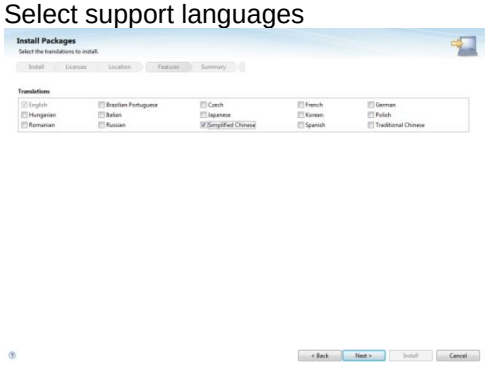
Accept the terms in the license agreement



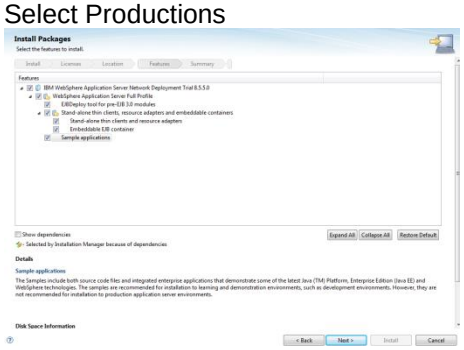
Select WAS Code Installation Location



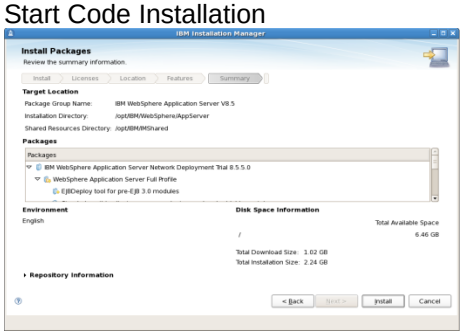
Select support languages



Select Productions



Start Code Installation

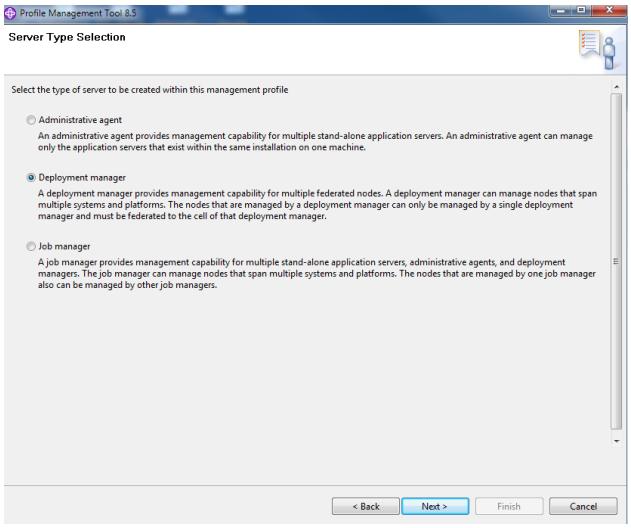


After WAS Production Code installation, First Step, creating a profile for Deployment manager.

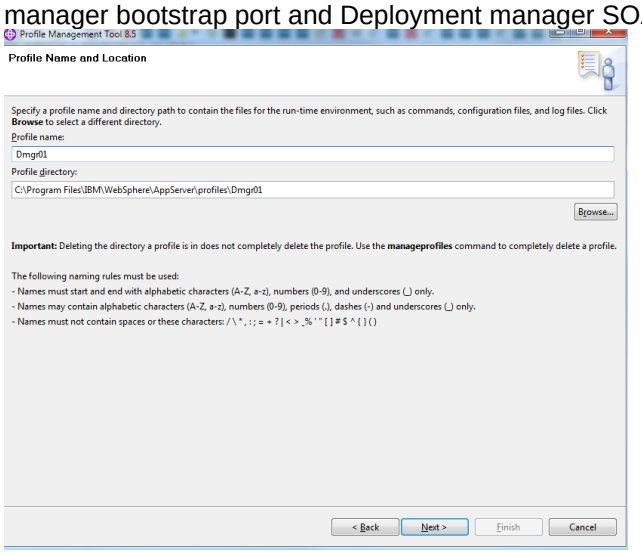
By creating WebSphere Application Server's cell Environment, which will include a management profile and an application server profile. A deployment manager is created (installed) and the new application server is also created and federated to the cell of the deployment manager.

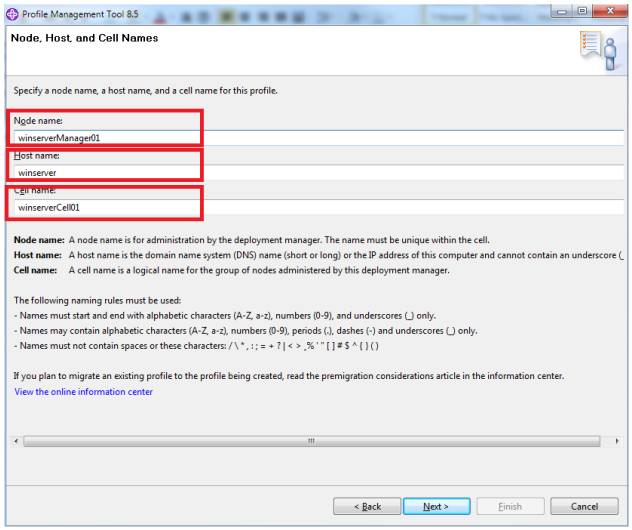
You can also choose Management, which will create 3 different management profiles: 1. Administrative agent, 2. Deployment management and 3. Job manager.

Deployment manager provides management capability for multiple federated nodes, it can manage node that span multiple systems and platforms. The nodes that are managed by a deployment manager can only be managed by a single deployment manager and must be federated to the cell of that deployment manager.

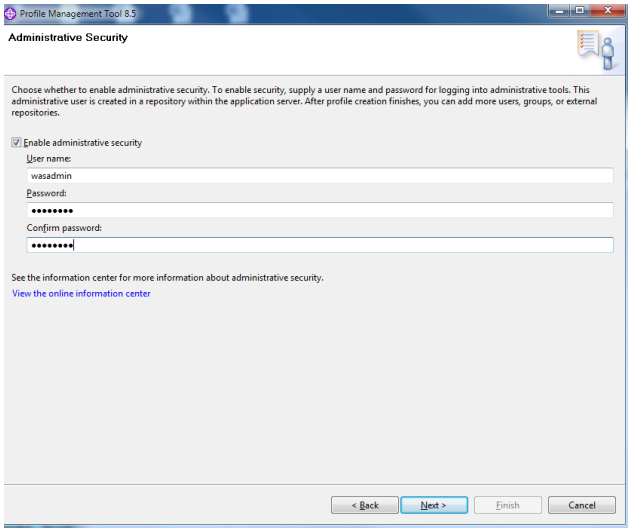


Typical profile creation, which means using default configuration names(profile, node, host and cell) and default configuration ports(Administrative console port, Administrative console security port, Deployment manager bootstrap port and Deployment manager SOAP connector port)



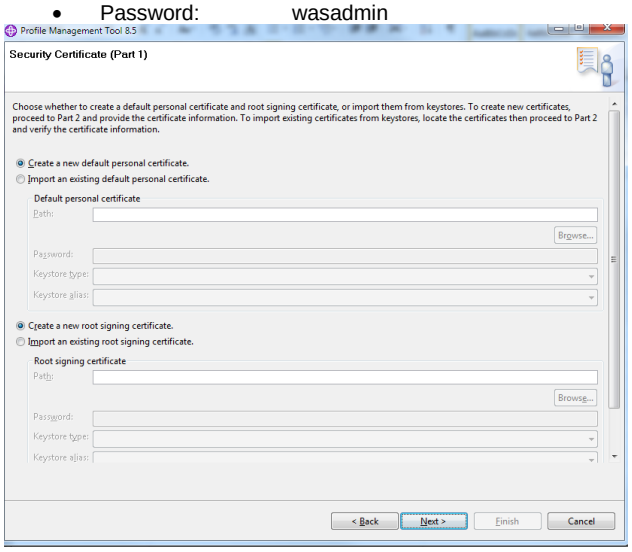


Node Name: winserveManager01
Host Name: winserver
Cell Name: winserverCell01

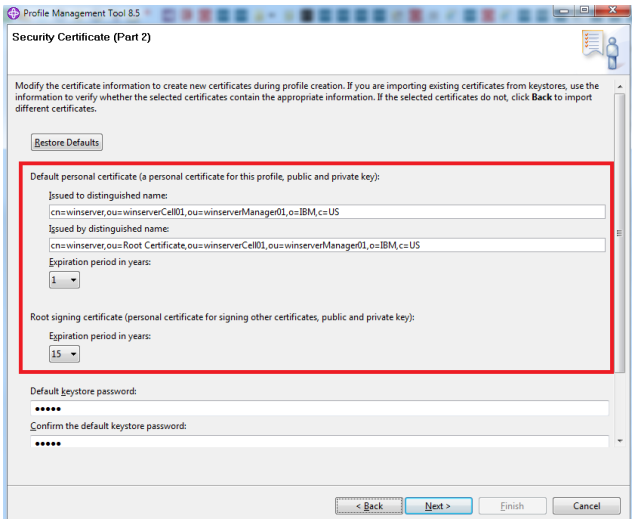


Enable administrative security,

- Username: wasadmin
- Password: wasadmin

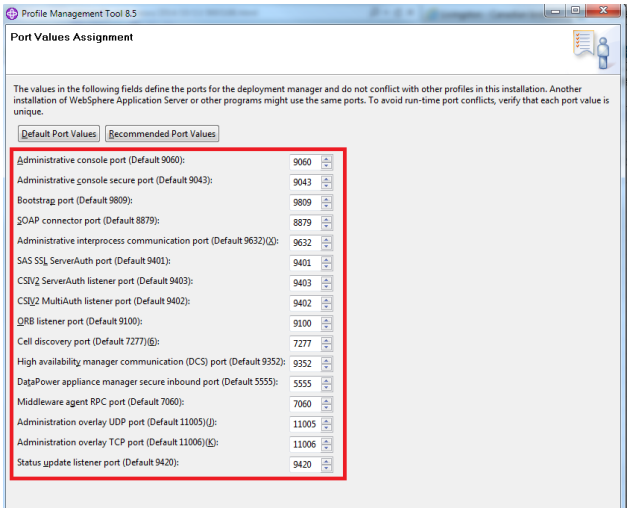


Security Certification:
To create new certifications and provide the certification information (To import existing certifications from keystores, locate the certificates and verify the certificate information)



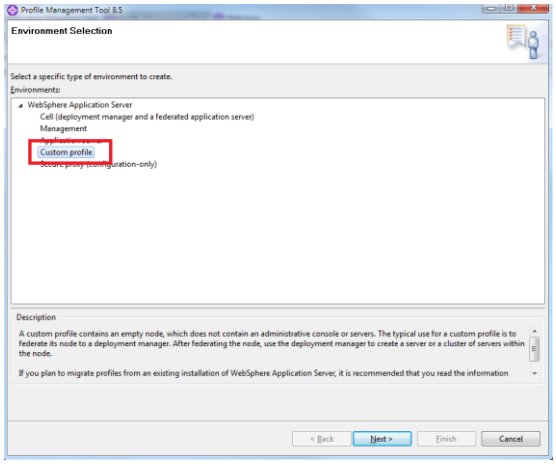
Default personal certificate (a personal certificate for this profile, public and private kwy)
Issued to distinguished name: cn=winserver,ou=winserverCell01,ou=winserverManager01,o=IBM,c=US
Issued by distinguished name: cn=winserver,ou=Root Certificate,ou=winserverCell01,ou=winserverManager01,o=IBM,c=US

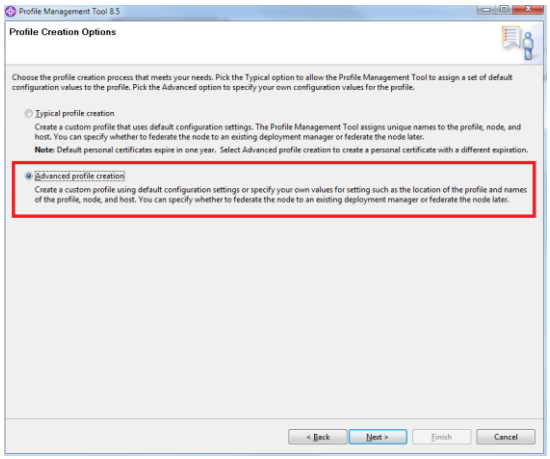
Default keystore password: wasadmin
This password is well documented in the Information Center and should be changed to protect the keystore file and ssl configuration.

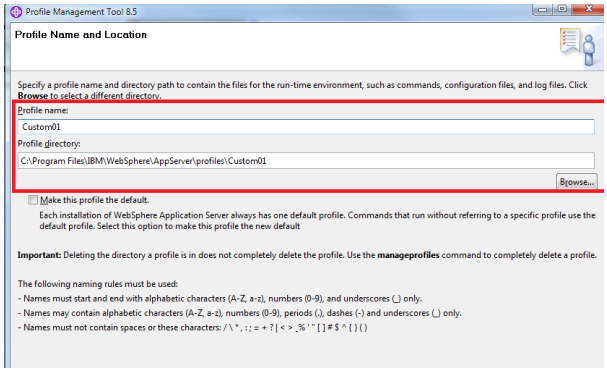


Secondly, we create two custom profiles on Windows and Linux,

Here we create a custom profile, which contains an empty node only (does not contain an administrative console or servers), the typical use for a custom profile is to federate this node to a deployment manager we implemented on Windows Server. After federating the node, use the deployment manager to create a server or a cluster of servers within the node.


Profile Management Tool 8.5
Environment Selection
Select a specific type of environment to create.
Environments:
WebSphere Application Server
Cell (deployment manager and a federated application server)
Management
Custom profile
Description
A custom profile contains an empty node, which does not contain an administrative console or servers. The typical use for a custom profile is to federate its node to a deployment manager. After federating the node, use the deployment manager to create a server or a cluster of servers within the node.
If you plan to migrate profiles from an existing installation of WebSphere Application Server, it is recommended that you read the information
< Back
Next >
Finish
Cancel


Profile Management Tool 8.5
Profile Creation Options
Choose the profile creation process that meets your needs. Pick the Typical option to allow the Profile Management Tool to assign a set of default configuration values to the profile. Pick the Advanced option to specify your own configuration values for the profile.
Typical profile creation
Create a custom profile that uses default configuration settings. The Profile Management Tool assigns unique names to the profile, node, and host. You can specify whether to federate the node to an existing deployment manager or federate the node later.
Note: Default personal certificates expire in one year. Select Advanced profile creation to create a personal certificate with a different expiration.
Advanced profile creation
Create a custom profile using default configuration settings or specify your own values for setting such as the location of the profile and names of the profile, node, and host. You can specify whether to federate the node to an existing deployment manager or federate the node later.
< Back
Next >
Finish
Cancel


Profile Management Tool 8.5
Profile Name and Location
Specify a profile name and directory path to contain the files for the run-time environment, such as commands, configuration files, and log files. Click Browse to select a different directory.
Profile name:
Custom01
Profile directory:
C:\Program Files\IBM\WebSphere\AppServer\profiles\Custom01
Browse...
Make this profile the default.
Each installation of WebSphere Application Server always has one default profile. Commands that run without referring to a specific profile use the default profile. Select this option to make this profile the new default
Important: Deleting the directory a profile is in does not completely delete the profile. Use the manageprofiles command to completely delete a profile.
The following naming rules must be used:
- Names must start and end with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores (_) only.
- Names must not contain spaces or these characters: / \ * , : ; = + ? | < > , % ' " [ ] # $ ^ { } ( )

Profile Management Tool 8.5

Node and Host Names

Specify a node name and a host name for this profile.

Node name:
winserverNode01
Host name:
winserver

Node name: A node name is used for administration. If the node is federated, the name must be unique within the cell.
Host name: A host name is the domain name system (DNS) name (short or long) or the IP address of this computer and cannot contain an underscore (_

The following naming rules must be used:
- Names must start and end with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores (_) only.
- Names must not contain spaces or these characters: / \ * , : ; = + ? | < > ,% ' " [ ] # $ ^ ( ) ( )

If you plan to migrate an existing profile to the profile being created, read the premigration considerations article in the information center.
View the online information center

< Back | Next > | Finish | Cancel

Profile Management Tool 8.5

Federation

Specify the host name or IP address and the SOAP port number for an existing deployment manager. Federation can occur only if the deployment manager is running.

Deployment manager host name or IP address:
winserver
Deployment manager SOAP port number (Default 8879):
8879

Deployment manager authentication
Provide a user name and password that can be authenticated, if administrative security is enabled on the deployment manager.
User name:
wasadmin
Password:
••••••••

Federate this node later.
You must federate this node later using the **addNode** command if the deployment manager:
- is not running
- has the SOAP connector disabled

Do not federate the node if it will be used as the target profile for a migration.

< Back | Next > | Finish | Cancel

Security Certificate (Part 2)

Modify the certificate information to create new certificates during profile creation. If you are importing existing certificates from keystores, use the information to verify whether the selected certificates contain the appropriate information. If the selected certificates do not, click **Back** to import different certificates.

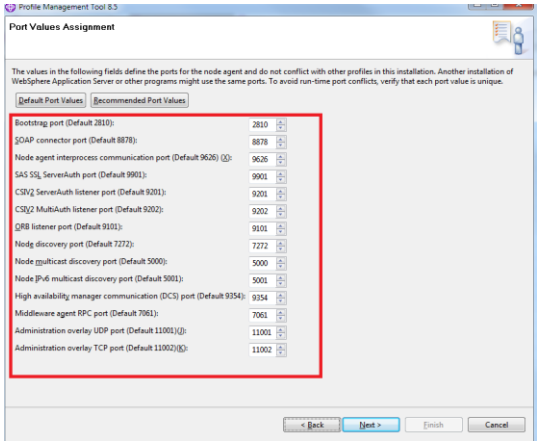
Restore Defaults

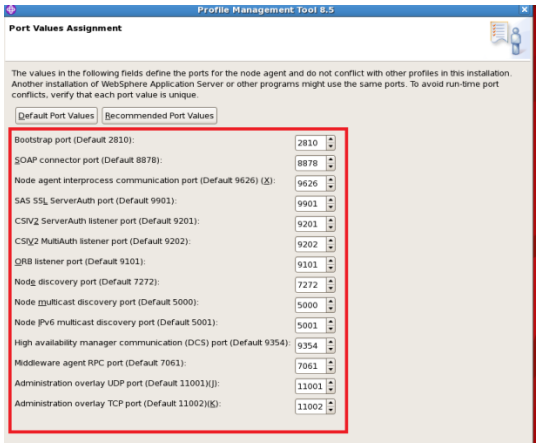
Default personal certificate (a personal certificate for this profile, public and private key):
Issued to distinguished name:
cn=winserver,ou=winserverCell,ou=winserverNode01,o=IBM,c=US
Issued by distinguished name:
cn=winserver,ou=Root Certificate,ou=winserverNode01Cell,ou=winserverNode01,o=IBM,c=US
Expiration period in years:
1

Root signing certificate (personal certificate for signing other certificates, public and private key):
Expiration period in years:
15

Default keystore password:
••••••••
Confirm the default keystore password:
••••••••

< Back | Next > | Finish | Cancel



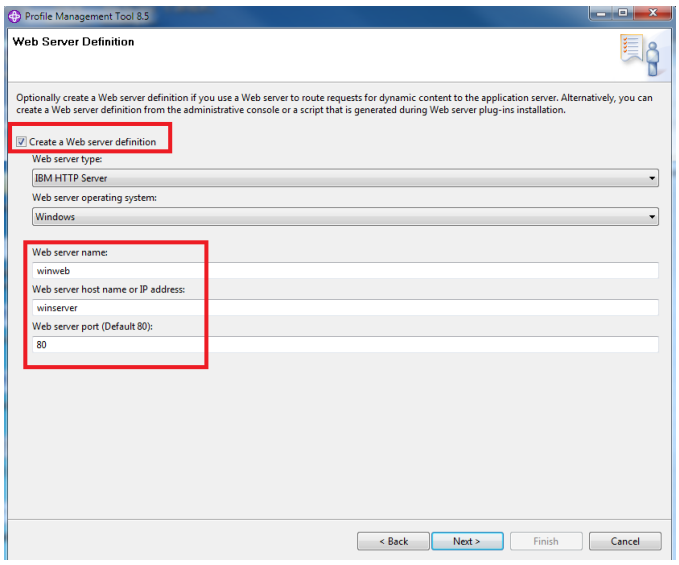


To create an application server:
profile name: AppSrv01
Node name: PCeClient
Server name: server1
Host name: winserver
(200M disk space needed)

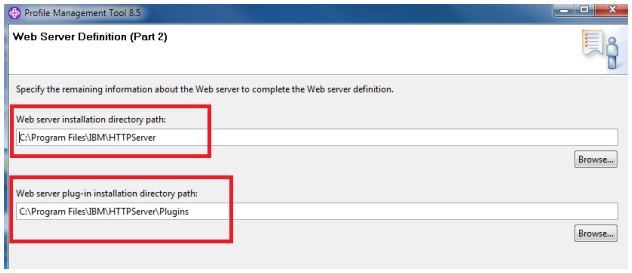
Ports:

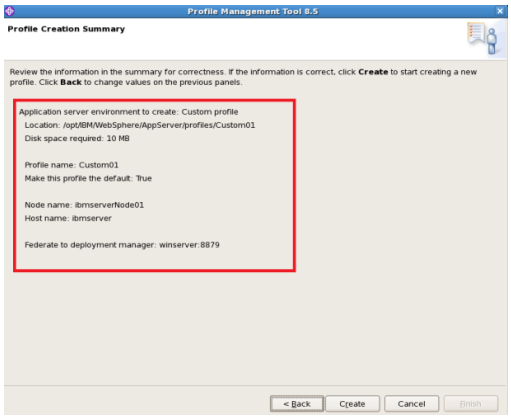
Adm Console	9061
Adm Console sec	9044
HTTP	9080
HTTP Sec	9443
Bootstrap	2809
SIP	5060
SIP Sec	5061
SOAP connector	8880
Adm interprocess comm	9633
SAS SSL ServerAuth	9406
CSIV2 ServerAuth listener	9405
CSIV2 MutiAuth listener	9404
ORB listener port	9102
High availability manager comm	9353
Service integration	7276
Service integration Sec	7286

Service integration MQ interoperability	5558
Service integration MQ interoperability Sec	5578
Adm overlay UDP	11003
Adm overlay TCP	11004



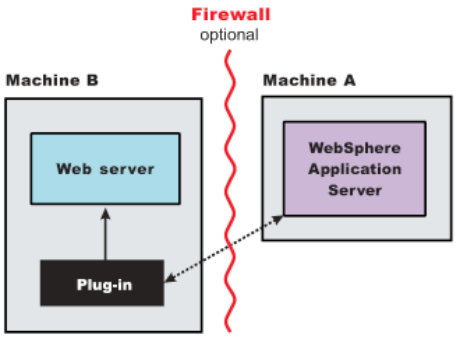
Install Web Server(c:\Program Files\IBM\HTTPServer) and Web Server plug-in(c:\Program Files\IBM\HTTPServer\Plugins)

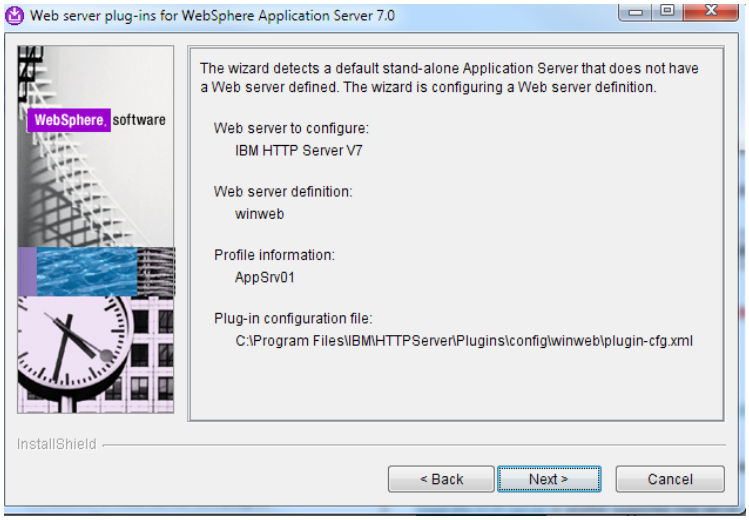




After creating Application profile, the next step is to decide whether to federate it into a deployment management cell. To federate application server, use either addNode command or the administrative console of deployment manager. Using the administrative console requires the application server to be running.

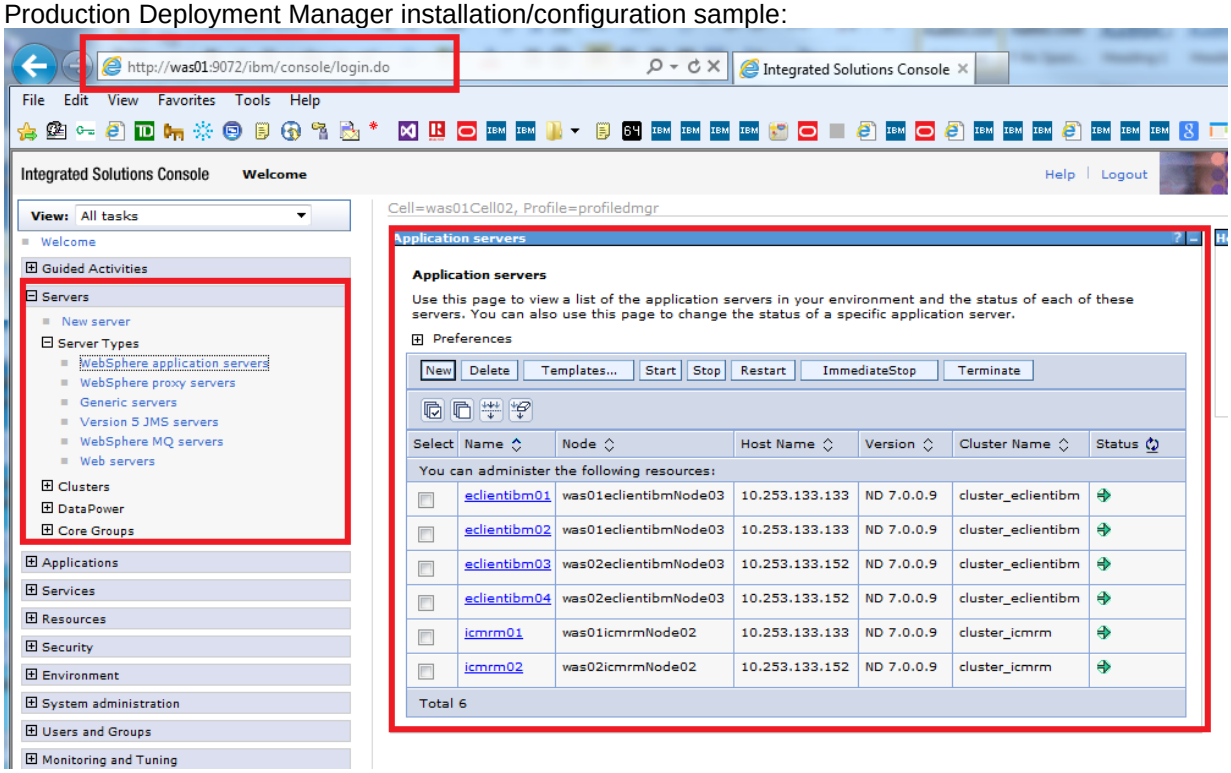
To install IBM HTTP server and Web server plug-ins for WebSphere Application Server





Create Deployment Manager on Windows Server

Production Deployment Manager installation/configuration sample:



It’s also a good idea to choose Application Server, which will create an application server profile independently, then federate it to deployment manager.

WAS Deployment Manager Profile ports Summary

Cell	was01Cell02					winserverCell01				
Host Name						winserver			ibmserver	
Profiles	profile dmgr					Dmgr01	Custom01		Custom01	
Node agent	-					-	nodeagent		nodeagent	
Node		was01eclientibmNode03	was02eclientibmNode03	was01icmrmNode02	was02icmrmNode02	winserverManager01	winserverNode01		ibmserverNode01	
Server Cluster								eClient		eClient
Application Server								wineClient		ibmeClient
CELL_DISCOVERY_ADDRESS	7300					7277				
BOOTSTRAP_ADDRESS	9810	2827	2826	2823	2822	9809	2810	9811	2810	9812
IPC_CONNECTOR_ADDRESS	9632	9627	9627	9626	9626	9632	9626	9635	9626	9636
SOAP_CONNECTOR_ADDRESS	8893	8898	8896	8894	8892	8879	8878	8882	8878	8883
ORB_LISTENER_ADDRESS	9107	9111	9108	9108	9106	9100	9101	9104	9101	9105
SAS_SSL_SERVERAUTH_LISTENER_ADDRESS	9438	9908	9908	9905	9905	9401	9901	9408	9901	9410
CSIV2_SSL_MUTUALAUTH_LISTENER_ADDRESS	9439	9214	9214	9210	9210	9402	9202	9409	9202	9411
CSIV2_SSL_SERVERAUTH_LISTENER_ADDRESS	9437	9213	9213	9209	9209	9403	9201	9410	9201	9412
WC_adminhost	9072					9060		9063		9064
WC_adminhost_secure	9055					9043		9082		9047
WC_defaulthost								9082		9083
WC_defaulthost_secure										9446
DCS_UNICAST_ADDRESS	9363	9371	9371	9366	9367	9352	9354	9356	9354	9357
XDAGENT_PORT						7060	7061		7061	
OVERLAY_UDP_LISTENER_ADDRESS						11005	11002	11010	11002	11011
OVERLAY_TCP_LISTENER_ADDRESS						11006	11001	11011	11001	11013
DataPowerMgr_inbound_secure	5555					5555				
STATUS_LISTENER_ADDRESS						9420				
NODE_DISCOVERY_ADDRESS		7307	7300	7301	7296		7272		7272	
NODE_IPV6_MULTICAST_DISCOVERY_ADDRESS		5012	5012	5008	5008		5001		5001	
NODE_MULTICAST_DISCOVERY_ADDRESS		5013	5013	5009	5009		5000		5000	
SIP_DEFAULTHOST								5062		5063
SIP_DEFAULTHOST_SECURE								5065		5066
SIB_ENDPOINT_ADDRESS								7279		7280
SIB_ENDPOINT_SECURE_ADDRESS								7288		7289
SIB_MQ_ENDPOINT_ADDRESS								5560		5561
SIB_MQ_ENDPOINT_SECURE_ADDRESS								5580		5581

Application server ports definition location: /opt/IBM/WebSphere/AppServer/profiles/AppSrv01/properties/portdef.props

Create a WAS server cluster

WebSphere. software

Welcome wasadmin | Help | Logout

View: All tasks

- Welcome
- Guided Activities
- Servers
  - New server
  - All servers
  - Server Types
  - Clusters
    - WebSphere application server clusters
    - Proxy server clusters
    - Generic server clusters
    - Cluster topology
    - On Demand Router clusters
    - Dynamic clusters
  - DataPower
  - Core Groups
- Applications
- Jobs
- Services
- Resources
- Runtime Operations
- Security
- Operational policies
- Environment
- System administration
- Users and Groups
- Monitoring and Tuning
- Troubleshooting

1

Cell=winserverCell01, Profile=Dmgr01

Close pag

Create a new cluster

2

Create a new cluster

Step 1: Enter basic cluster information

Step 2: Create first cluster member

Step 3: Create additional cluster members

Step 4: Summary

3

4

Summary

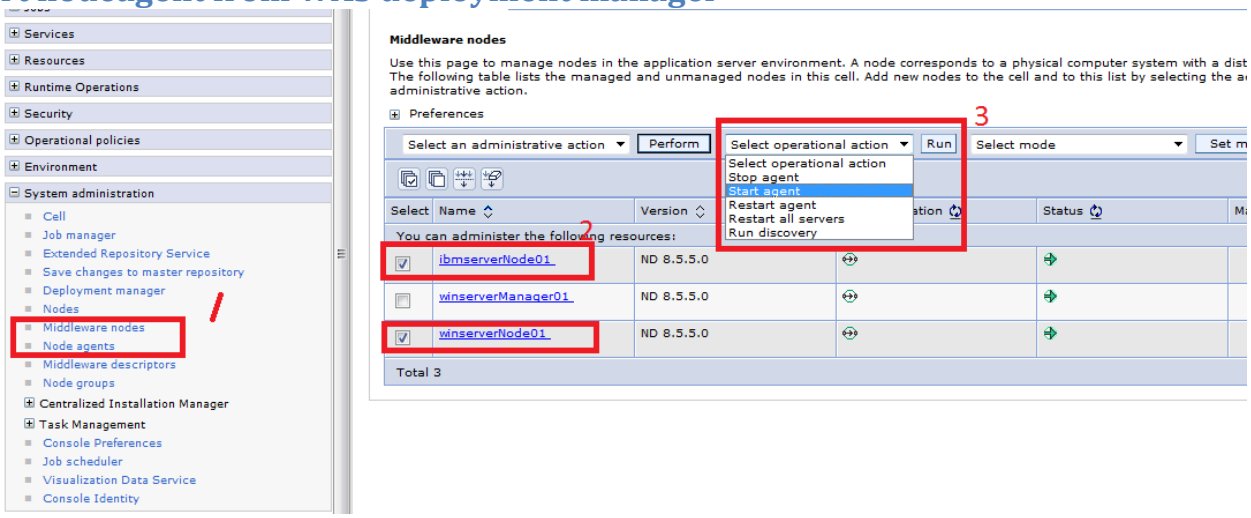
Summary of actions:

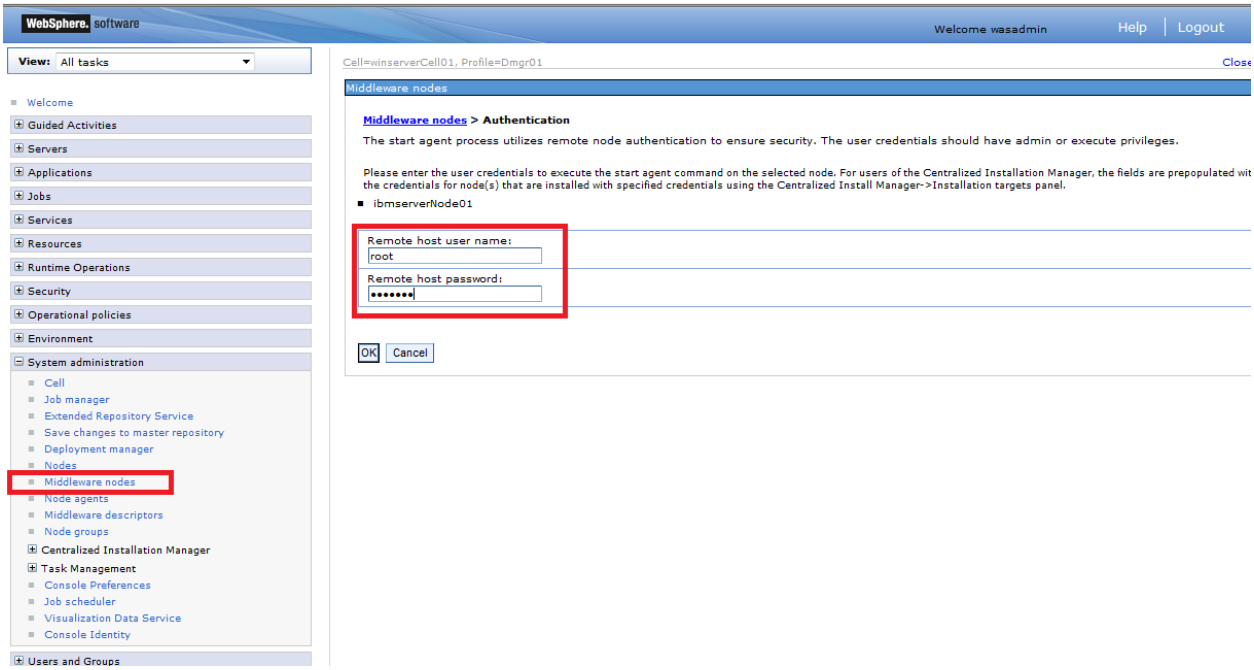
Options	Values
Cluster Name	eClient
Core Group	DefaultCoreGroup
Node group	DefaultNodeGroup
Prefer local	true
Configure HTTP session memory-to-memory replication	true
Server name	wineClient
Node	winserverNode01(ND 8.5.5.0)
Weight	2
Clone Template	default
Clone Basis	Create the member using an application server template.
Select how the server resources are promoted in the cluster.	cluster
Generate unique HTTP ports	true
Server name	ibmeClient
Node	ibmserverNode01(ND 8.5.5.0)
Weight	2
Clone Template	Version 8.5 member template
Generate unique HTTP ports	true

Previous | Finish | Cancel

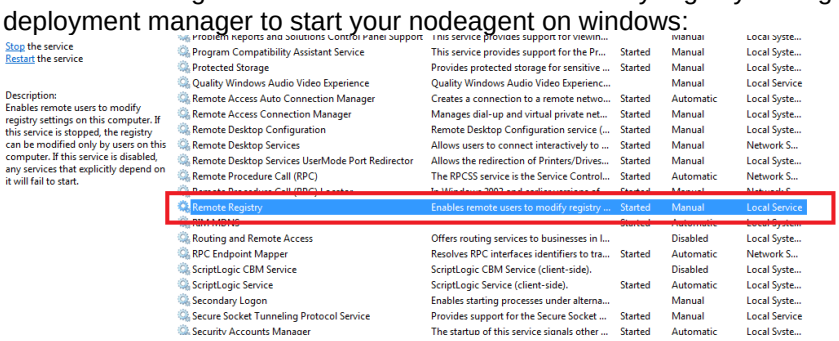
5

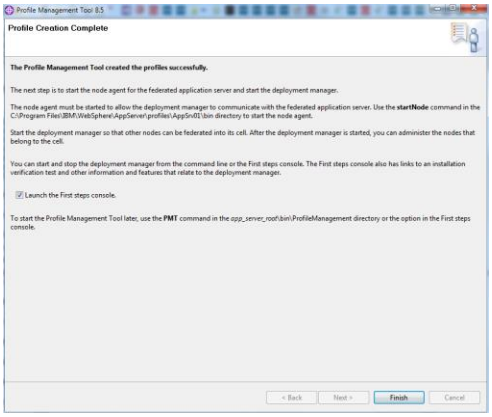
Start nodeagent from WAS deployment manager





Start Remote register to enable remote users to modify registry setting on windows, if you need WAS deployment manager to start your nodeagent on windows:



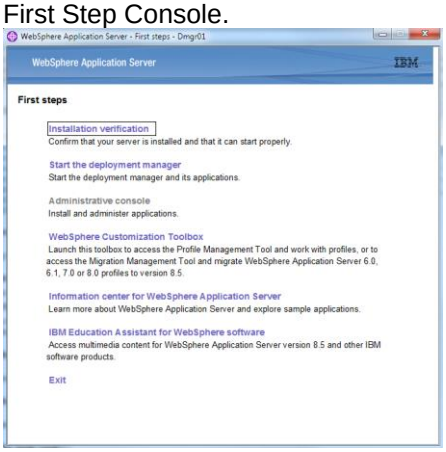


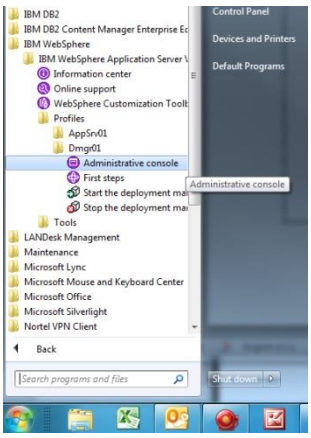
Node agent must be started to allow the deployment manager to communicate with federated application server, the **startNode** command lies in WAS installed profiles bin directory.

Deployment manager can be started from command line

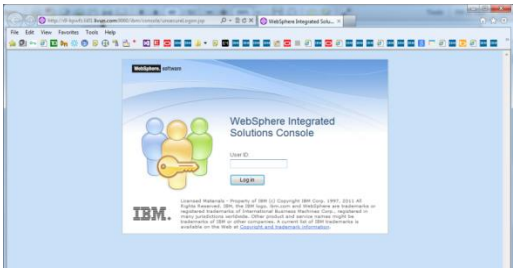
Start running the following command:
cmd.exe /c "C:\Program Files\IBM\WebSphere\AppServer\profiles\Dmgr01\bin\startManager.bat" -profileName Dmgr01

First Step Console.

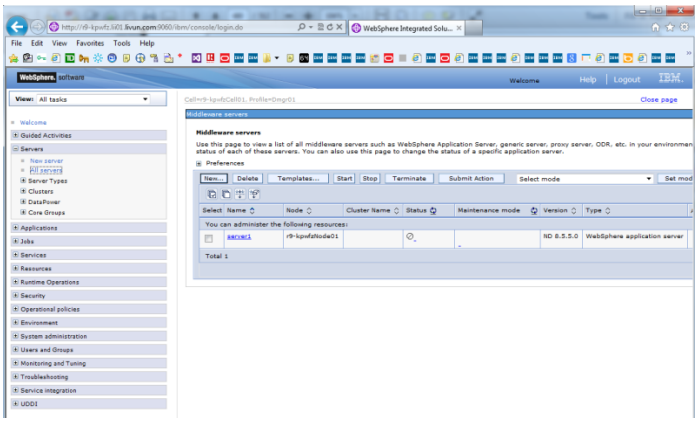




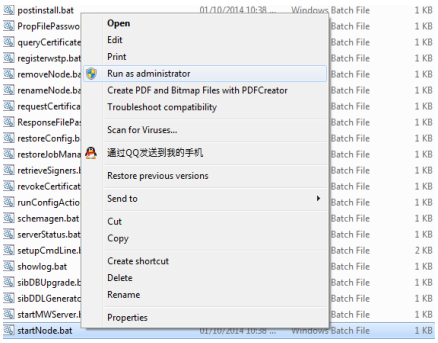
Start Administrative console of Deployment Manager



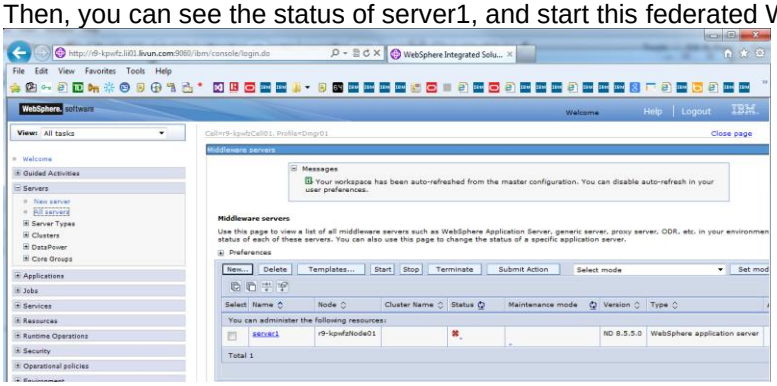
No user name/password needed here, because we choose “Not enable administrative security” when creating DM profile.

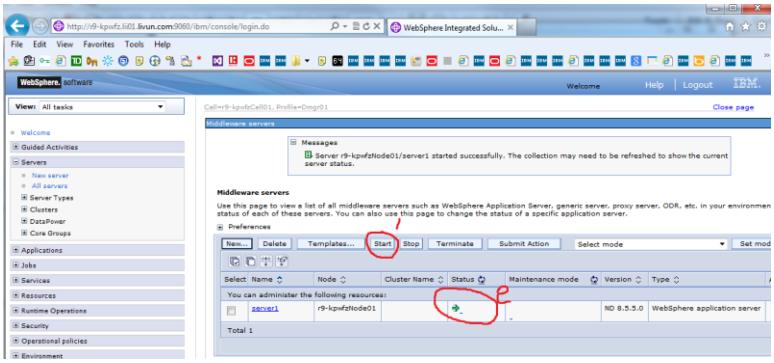


Here you can find the federated WAS Server ***server1*** under the Cell ***r9-kpwfzCell01***, with unknown status. You need to start Node agent of ***server1***,
Located under C:\Program Files\IBM\WebSphere\AppServer\profiles\AppSrv01\bin\startNode.bat



Then, you can see the status of server1, and start this federated WAS server if you want

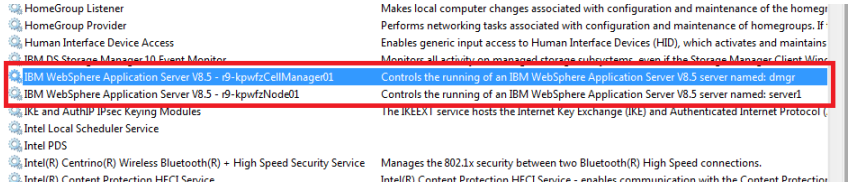


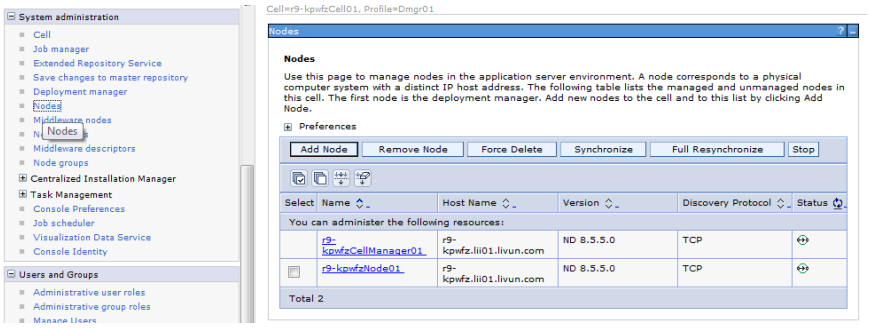


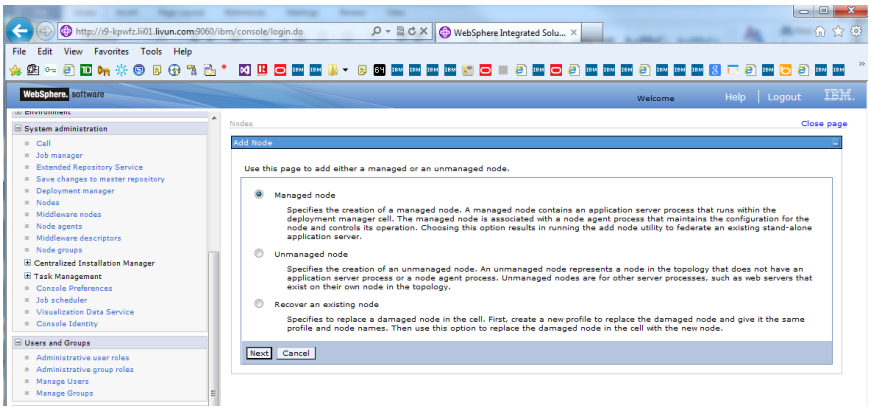
Federate a stand-alone application server

To federate WAS server to Deploy Manager Server; we need to add WAS node

Firstly, on deployment manager, add one WAS node installed on Window Server r9-wkpfz.



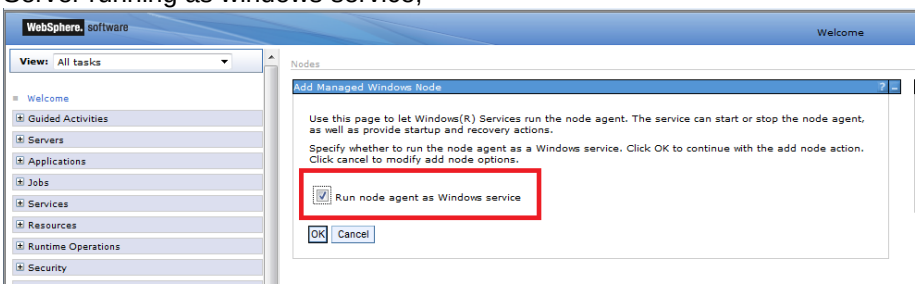




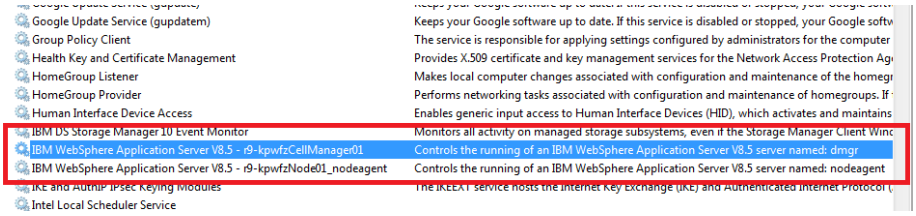
Choose Managed Node: Specifies the creation of a managed node. A managed node contains an application server process that runs within the deployment manager cell. The managed node is associated with a node agent process that maintains the configuration for the node and controls its operation.

Choosing this option results in running the add node utility to **federate an existing stand-alone application server.**

On Window Server, We install Deploy Manager Server running as a windows service, and one WAS Server running as windows service,



Check “Run node agent as Windows Service”

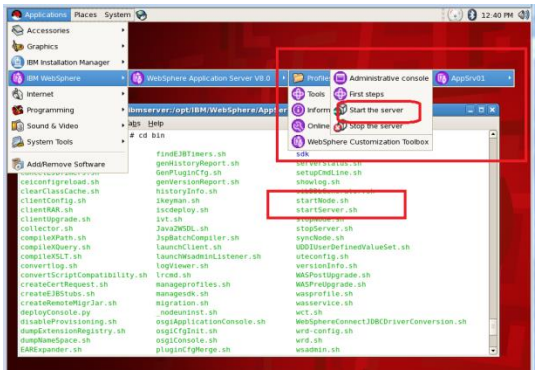


You will find that WebSphere Application Server Service replaced by WebSphere Application Server’s nodeagent service.

TIPS: For the installation of WAS and IBM CM on Linux, please reference “LMS System Administrative Manual”

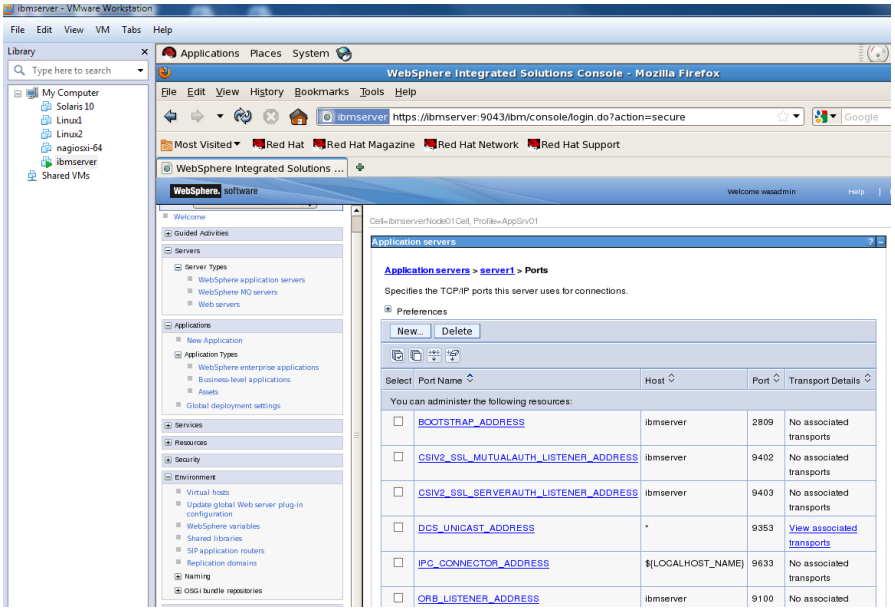
Secondly, add another Linux WAS Server to Deployment Server, Start WAS Server’s node agent and Server processes:

Start WAS Server on Linux: Use GUI or Command Line:



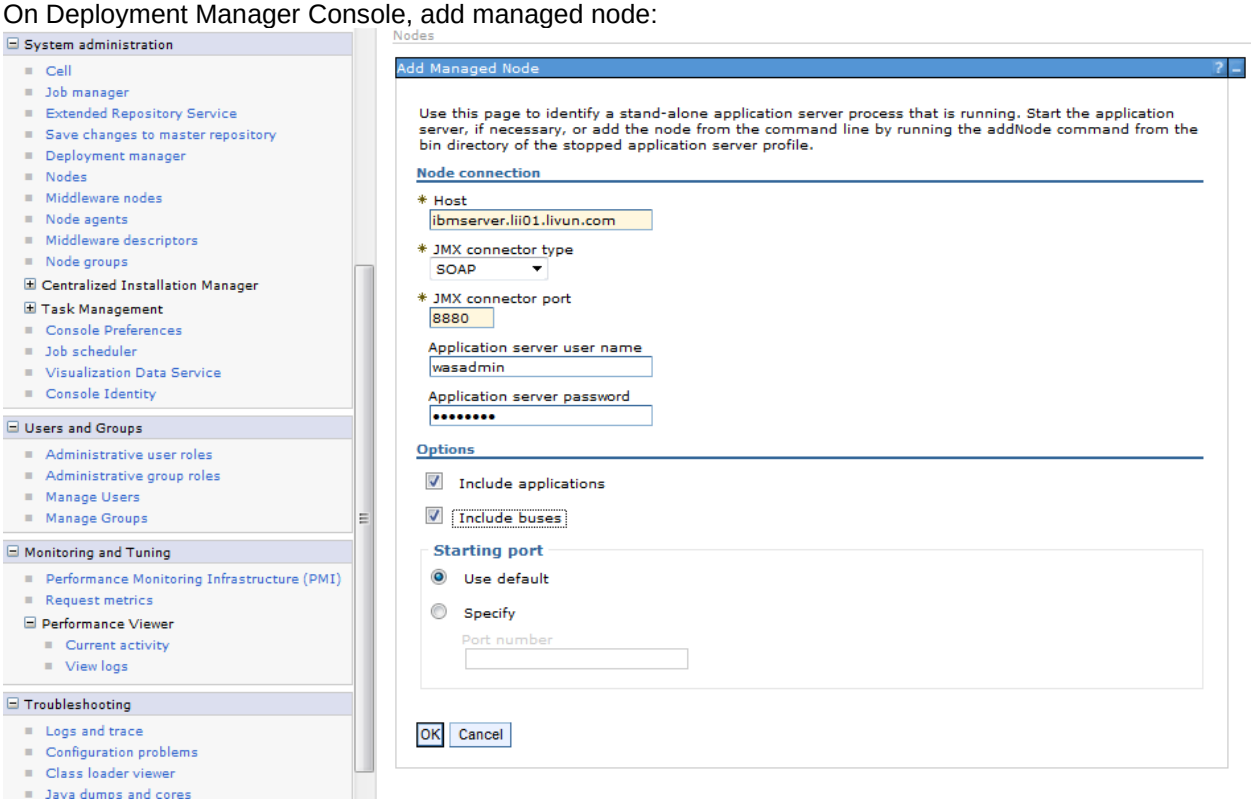
[root@ibmserver bin]# **./startNode.sh**

```
ADMU0116I: Tool information is being logged in file
           /opt/IBM/WebSphere/AppServer/profiles/AppSrv01/logs/nodeagent/startServer.log
ADMU0128I: Starting tool with the AppSrv01 profile
ADMU3100I: Reading configuration for server: nodeagent
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server nodeagent open for e-business; process id is 16212
```



Check the WAS server's ports information on Linux stand-alone WAS Server, when installing, we use default value.

On Deployment Manager Console, add managed node:

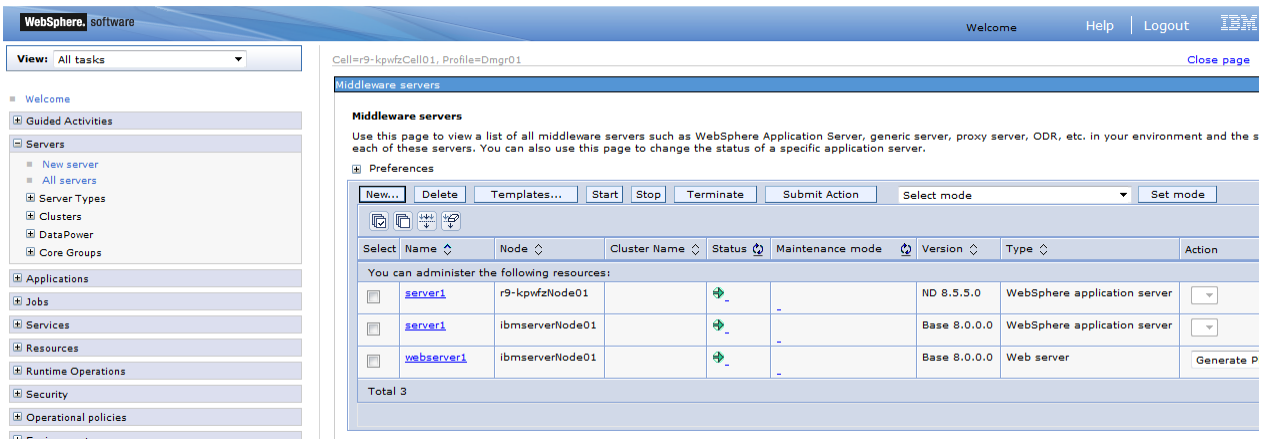


Host: ***ibmserver.lii01.livun.com***
JMX connector type: ***SOAP***
JMX connector port: ***8880***
Application server user name: ***wasadmin***
Application server password: ***wasadmin***
Option: ***Include application and Include buses***

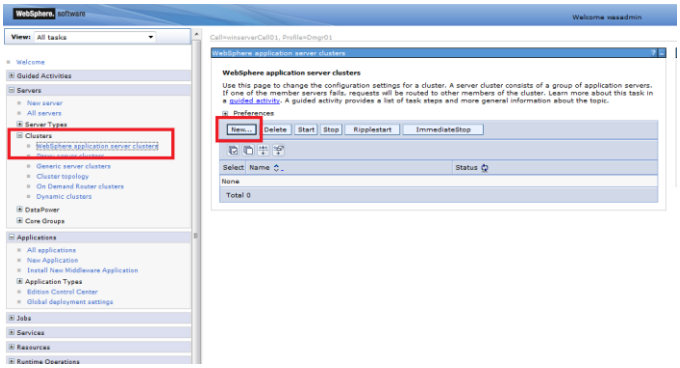
TIPS: Please be advised that the federated WAS Application server must started on Linux, and host name must be defined on DNS and/or local /etc/hosts on all systems.

Adding node

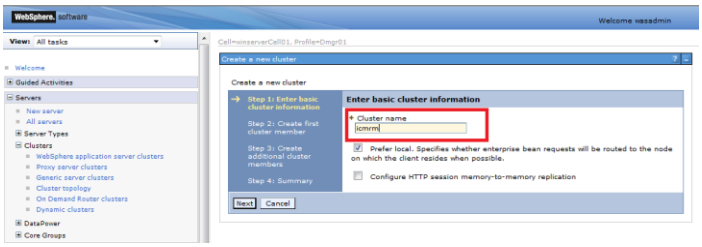
ADMU0001I: Begin federation of node ibmserverNode01 with Deployment Manager at r9-kpwfz.lii01.livun.com:8879.
ADMU0009I: Successfully connected to Deployment Manager Server: r9-kpwfz.lii01.livun.com:8879
ADMU0505I: Servers found in configuration:
ADMU0506I: Server name: webserver1
ADMU0506I: Server name: server1
ADMU2010I: Stopping all server processes for node ibmserverNode01
ADMU0510I: Server server1 is now STOPPED
ADMU0024I: Deleting the old backup directory.
ADMU0015I: Backing up the original cell repository.
ADMU0012I: Creating Node Agent configuration for node: ibmserverNode01
ADMU0120I: isclite.ear will not be uploaded since it already exists in the target repository.
ADMU0120I: commsvc.ear will not be uploaded since it already exists in the target repository.
ADMU0120I: DefaultApplication.ear will not be uploaded since it already exists in the target repository.
ADMU0120I: ibmasyncrsp.ear will not be uploaded since it already exists in the target repository.
ADMU0120I: WebSphereWSDM.ear will not be uploaded since it already exists in the target repository.
ADMU0120I: DefaultApplication.ear will not be uploaded since it already exists in the target repository.
ADMU0014I: Adding node ibmserverNode01 configuration to cell: r9-kpwfzCell01
ADMU0120I: commsvc on CU will not be uploaded since it already exists in the target repository.
ADMU0120I: WebSphereWSDM on CU will not be uploaded since it already exists in the target repository.
ADMU0120I: ibmasyncrsp on CU will not be uploaded since it already exists in the target repository.
ADMU0120I: isclite on CU will not be uploaded since it already exists in the target repository.
ADMU0120I: DefaultApplication on CU will not be uploaded since it already exists in the target repository.
ADMU0120I: commsvc on BLA will not be uploaded since it already exists in the target repository.
ADMU0120I: WebSphereWSDM on BLA will not be uploaded since it already exists in the target repository.
ADMU0120I: ibmasyncrsp on BLA will not be uploaded since it already exists in the target repository.
ADMU0120I: isclite on BLA will not be uploaded since it already exists in the target repository.
ADMU0120I: DefaultApplication on BLA will not be uploaded since it already exists in the target repository.
ADMU0016I: Synchronizing configuration between node and cell.
ADMU0018I: Launching Node Agent process for node: ibmserverNode01
ADMU0020I: Reading configuration for Node Agent process: nodeagent
ADMU0022I: Node Agent launched. Waiting for initialization status.
ADMU0030I: Node Agent initialization completed successfully. Process id is: 8076
ADMU0308I: The node ibmserverNode01 and associated applications were successfully added to the r9-kpwfzCell01 cell.
ADMU0306I: Note:
ADMU0302I: Any cell-level documents from the standalone r9-kpwfzCell01 configuration have not been migrated to the new cell.
ADMU0307I: You might want to:
ADMU0303I: Update the configuration on the r9-kpwfzCell01 Deployment Manager with values from the old cell-level documents.
ADMU0003I: Node ibmserverNode01 has been successfully federated.
View the available nodes.



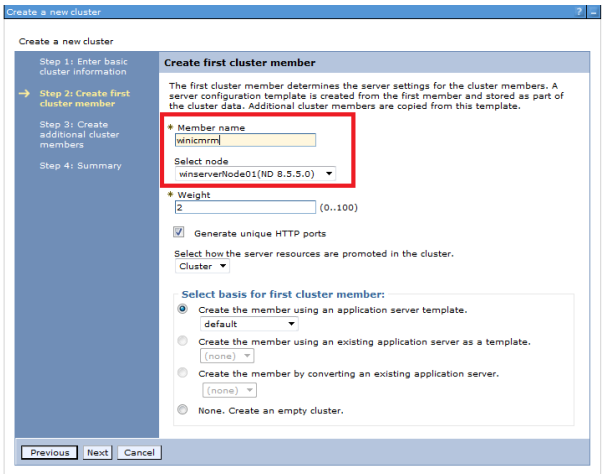
Create Cluster

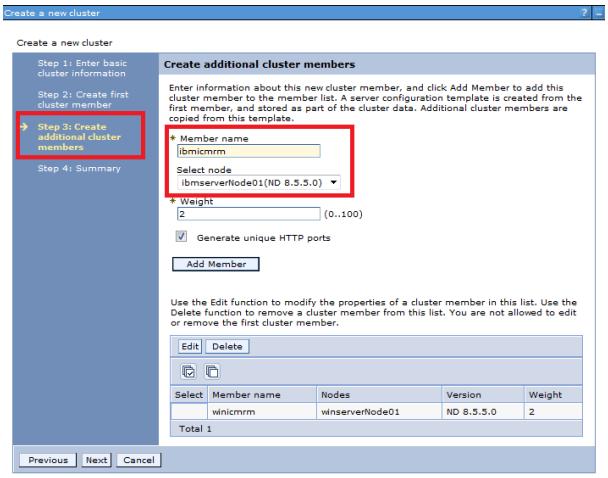


A server cluster consists of a group of application servers. If one of the member servers fails, requests will be routed to other members of the cluster.



Cluster name: icmrm





Create a new cluster

Create a new cluster

Step 1: Enter basic cluster information

Step 2: Create first cluster member

Step 3: Create additional cluster members

Step 4: Summary

Create additional cluster members

Enter information about this new cluster member, and click Add Member to add this cluster member to the member list. A server configuration template is created from the first member, and stored as part of the cluster data. Additional cluster members are copied from this template.

* Member name

Select node

ibmserverNode01(ND 8.5.5.0)

* Weight

2 (0..100)

Generate unique HTTP ports

Add Member

Use the Edit function to modify the properties of a cluster member in this list. Use the Delete function to remove a cluster member from this list. You are not allowed to edit or remove the first cluster member.

Edit Delete

Select	Member name	Nodes	Version	Weight
	winicmrm	winserverNode01	ND 8.5.5.0	2
	ibmicmrm	ibmserverNode01	ND 8.5.5.0	2

Total 2

Previous Next Cancel

Create a new cluster

Create a new cluster

Step 1: Enter basic cluster information

Step 2: Create first cluster member

Step 3: Create additional cluster members

Step 4: Summary

Summary

Summary of actions:

Options	Values
Cluster Name	icmrm
Core Group	DefaultCoreGroup
Node group	DefaultNodeGroup
Prefer local	true
Configure HTTP session memory-to-memory replication	false
Server name	winicmrm
Node	winserverNode01(ND 8.5.5.0)
Weight	2
Clone Template	default
Clone Basis	Create the member using an application server template.
Select how the server resources are promoted in the cluster.	cluster
Generate unique HTTP ports	true
Server name	ibmicmrm
Node	ibmserverNode01(ND 8.5.5.0)
Weight	2
Clone Template	Version 8.5 member template
Generate unique HTTP ports	true

Previous Finish Cancel

WebSphere application server clusters

WebSphere application server clusters

Use this page to change the configuration settings for a cluster. A server cluster consists of a group of application servers. If one of the member servers fails, requests will be routed to other members of the cluster. Learn more about this task in a guided activity. A guided activity provides a list of task steps and more general information about the topic.

Preferences

New... Delete Start Stop Rippleastart ImmediateStop

Select	Name	Status
You can administer the following resources:		
	icmrm	

Total 1

WebSphere software

Welcome wasadmin

View: All tasks

Welcome

Guided Activities

Servers

New server

All servers

Server Types

WebSphere application servers

WebSphere proxy servers

On Demand Routers

PHP servers

WebSphere Application Server Community Edition servers

Generic servers

WebSphere MQ servers

Web servers

Apache servers

Custom HTTP servers

Clusters

WebSphere application server clusters

Proxy server clusters

Generic server clusters

Cluster topology

Application servers

Messages

ibmserverNode01/ibmicmrm server could not be started. View JVM logs for further details.

winserverNode01/winicmrm has already been started

Application servers

Use this page to view a list of the application servers in your environment and the status of each of these servers. You can also use this page to change the status of a specific application server.

Preferences

New... Delete Templates... Start Stop Restart ImmediateStop Terminate

Select	Name	Node	Host Name	Version	Cluster Name	Status
You can administer the following resources:						
	ibmicmrm	ibmserverNode01	ibmserver	ND 8.5.5.0	icmrm	
	winicmrm	winserverNode01	winserver	ND 8.5.5.0	icmrm	

Total 2

WebSphere software

Welcome wasadmin

Dynamic clusters

DataPower

Core Groups

Applications

All applications

New Application

Install New Middleware Application

Application Types

WebSphere enterprise applications

Business-level applications

Assets

Edition Control Center

Global deployment settings

Jobs

Services

Enterprise Applications

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

Preferences

Install Uninstall

Select	Name	Application Status
None		

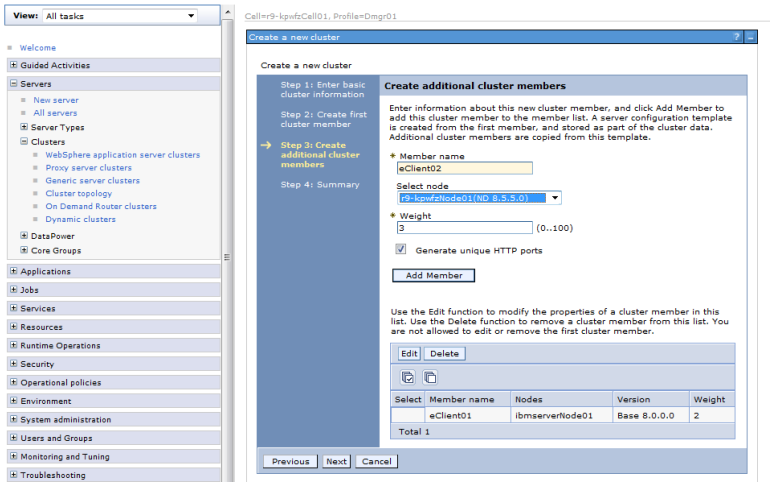
Total 0

The first cluster member determines the server setting for the cluster members. A server configuration template is created from the first member and stored as part of the cluster data.

Additional cluster members are copied from the template.

The basis for the first cluster member is created by converting an existing application server: ***r9-kpwfzCell01/ibmserverNode01(base 8.0.0.0)/server1***

Create additional cluster members:



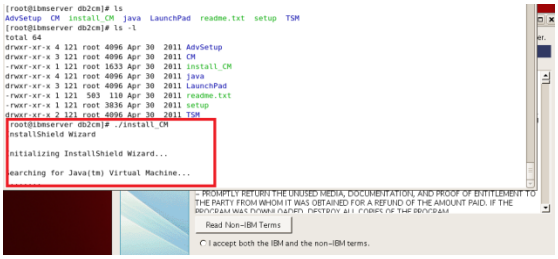
A server configuration template is created from the first member, and store as part of the cluster data. Additional cluster members are copied from the template.

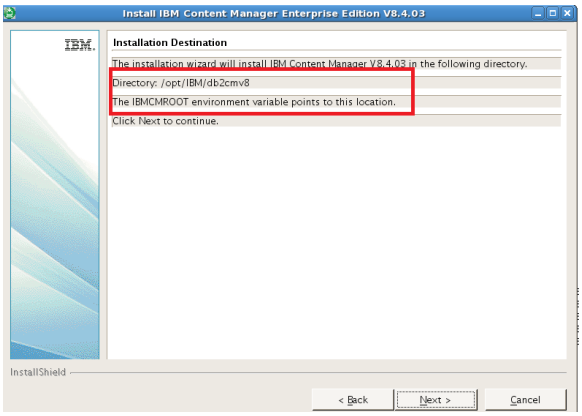
Member name: eClient02
Node: r9-kpwfzNode01(ND 8.5.5.0)
Wright: 3
Generate unique HTTP ports

Summary:

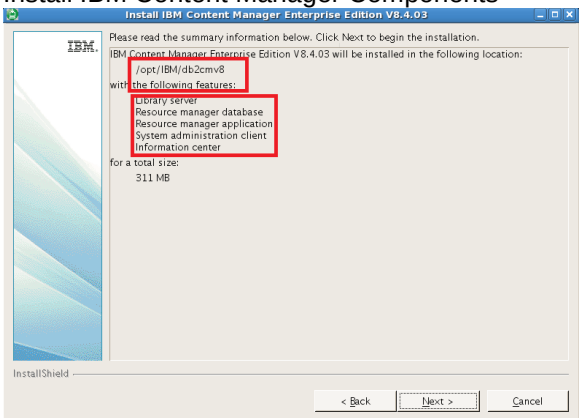
Server name	eClient01	eClient02
Node	ibmserverNode01	r9-kpwfzNode02
Weight	2	3
Clone Template	r9-kpwfzCell01/ibmserverNode01/server1	Version 8.5 member template
Clone Basis	Create the member using existing application server as a template	
Select how the server resources are promoted in the cluster	cluster	
Generate unique HTTP ports	true	true

Start the DB2 database server, and start WebSphere Application Server/Cluster before install IBM Content Manager.

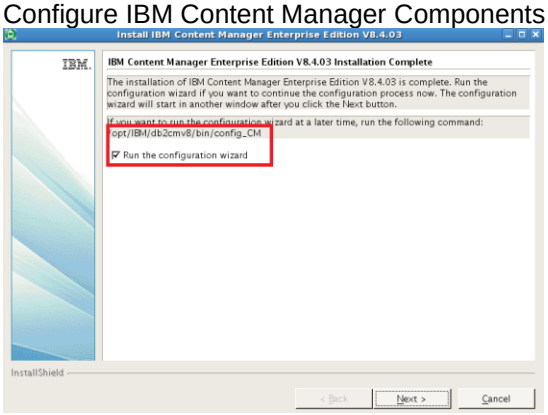


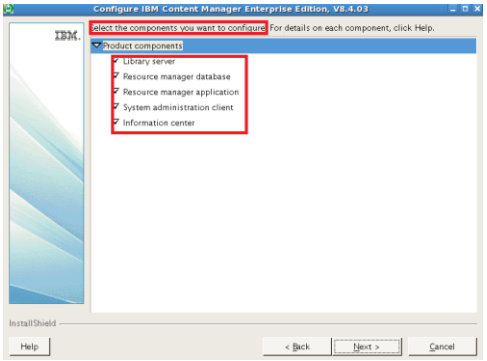


Install IBM Content Manager Components



Configure IBM Content Manager Components





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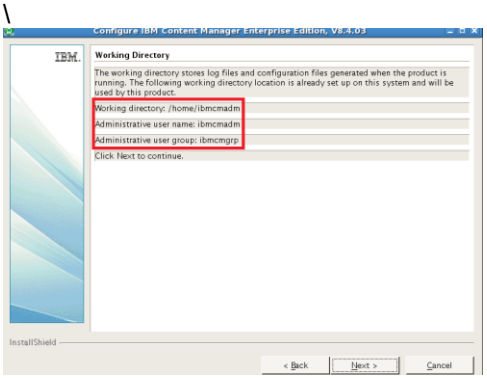
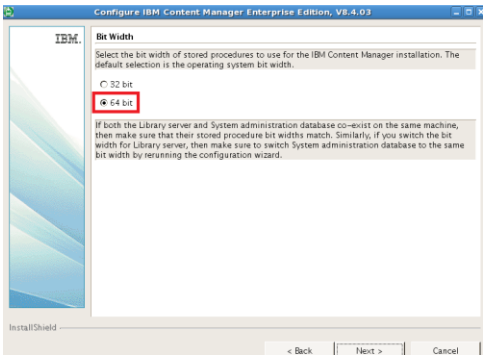
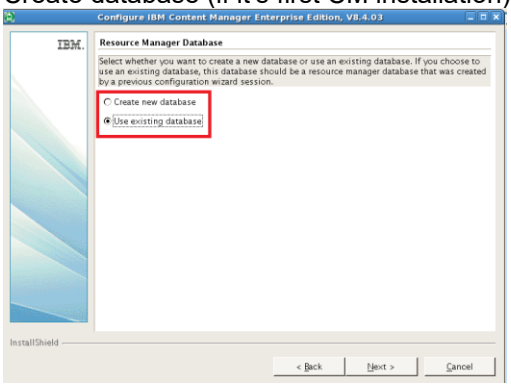
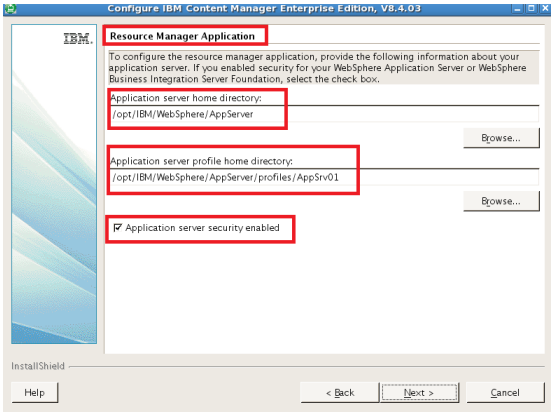




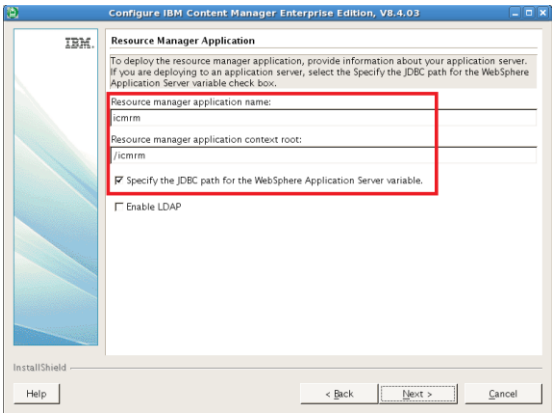
Create database (if it’s first CM installation) or using exist database (icmnlsdb/rmdb)



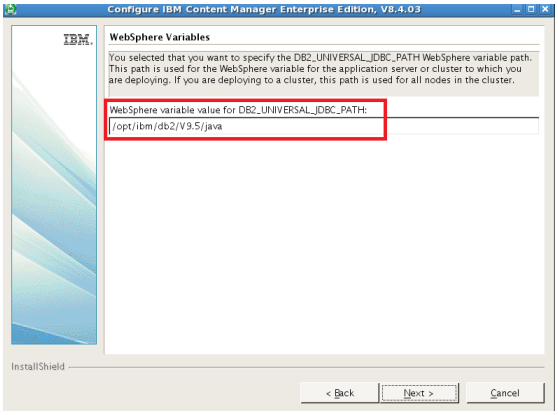
Install resource manager application (java beans) on /opt/IBM/db2cmv8



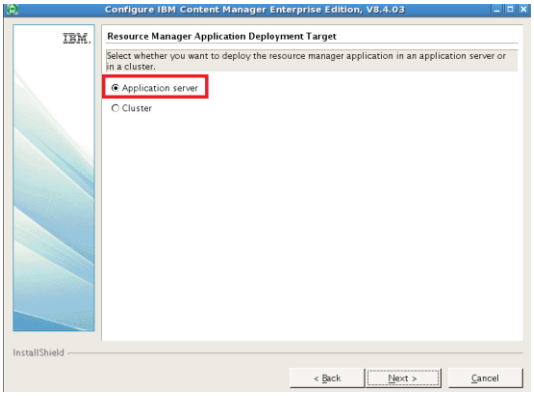
In this case, WAS application server security is not enabled. (It's defined during WAS Application server profile creating process)



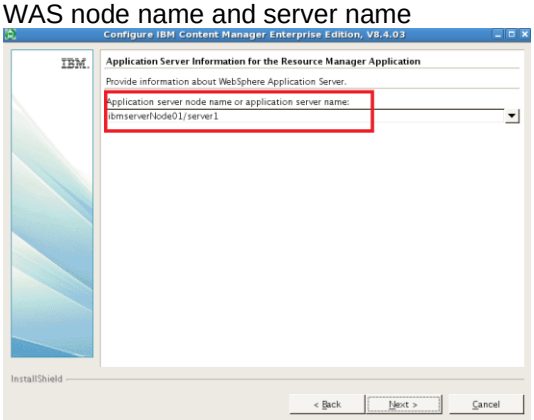
Resource manager application name and context root in WAS Server1



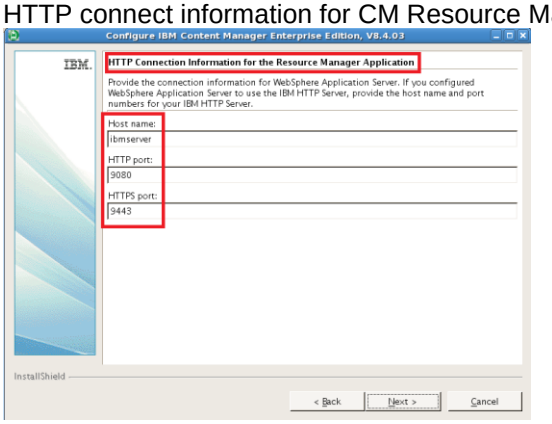
Define WebSphere Variable for DB2_UNIVERSAL_JDBC_PATH, it's used for JDBC definition and same for all nodes if you are using cluster.



WAS node name and server name

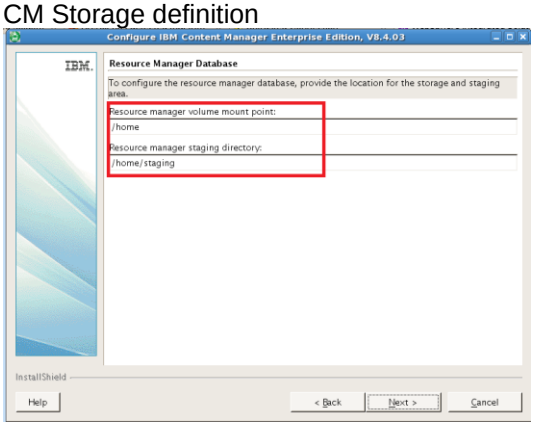


HTTP connect information for CM Resource Manager

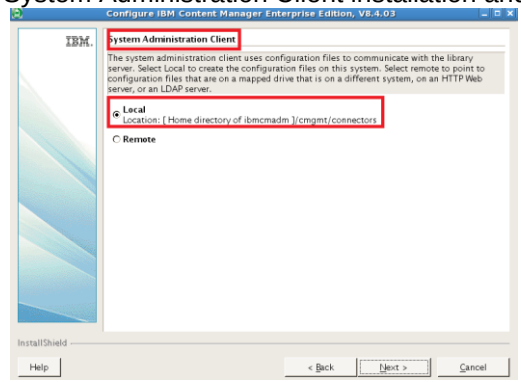


HTTP Port: 9080/HTTPS: 9443

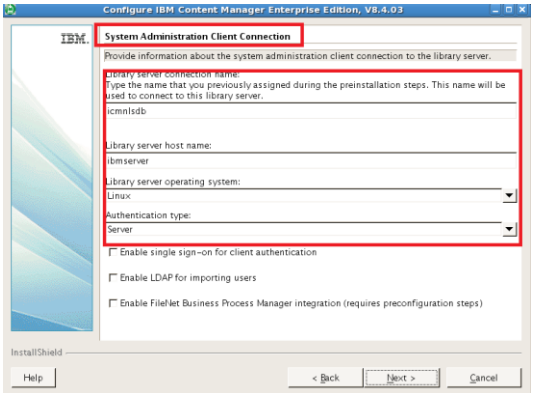
CM Storage definition



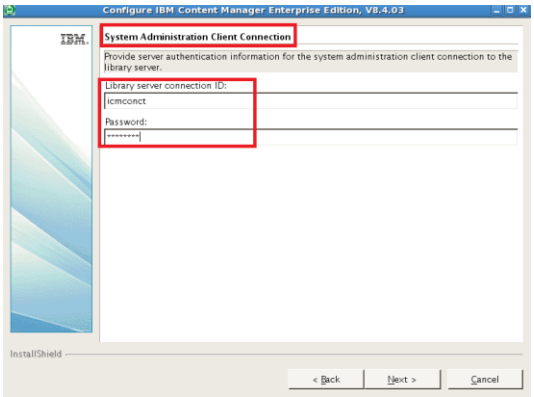
System Administration Client installation and configuration

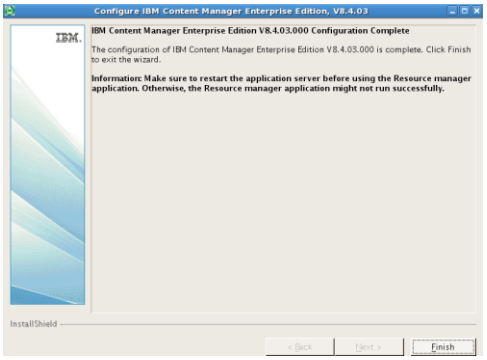


Using same configuration file of CM user ibmcmadm: /home/ibmcmadm/cmgmt/connectors

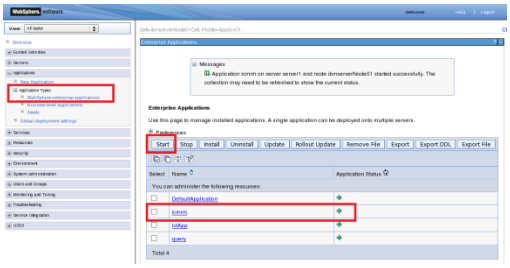


System Administration Client connections





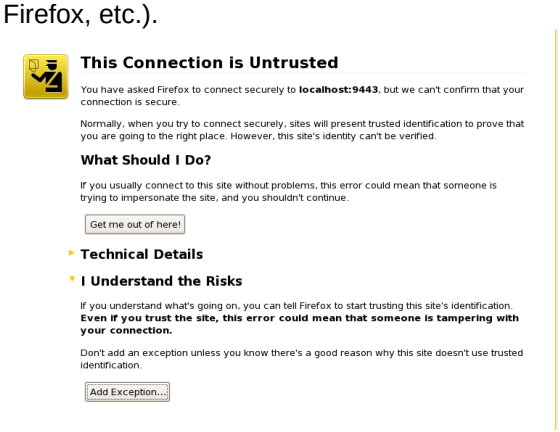
Installation finished



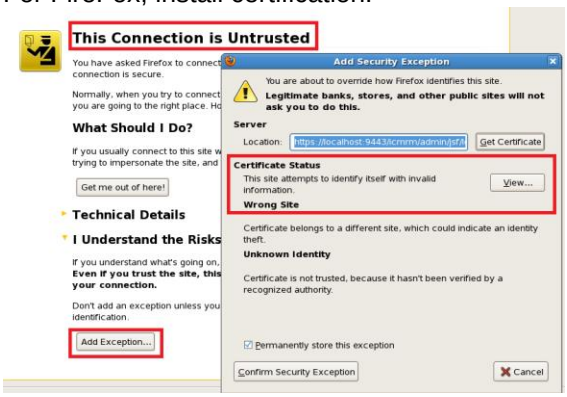
Start icmrm on WAS

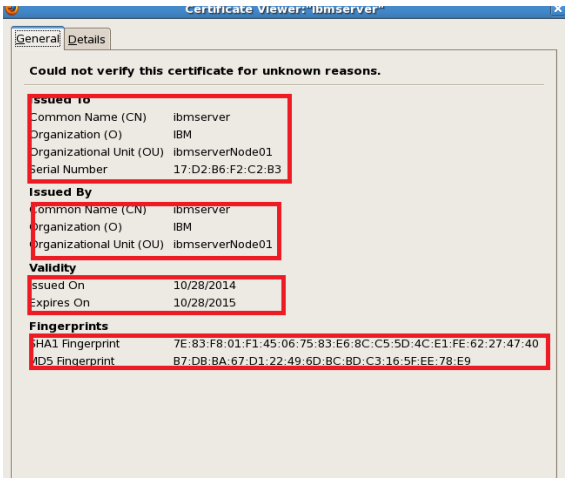
Connect to IBM Content Manager Resource manager
https://ibmserver:9443/icmrm (login will fail?, have to change ibmserver to localhost)
https://localhost:9443/icmrm/admin/jsf/login.jsp

For https connection, just accept this certification issued by ibmserver/server1 on your web browser (IE, Firefox, etc.).

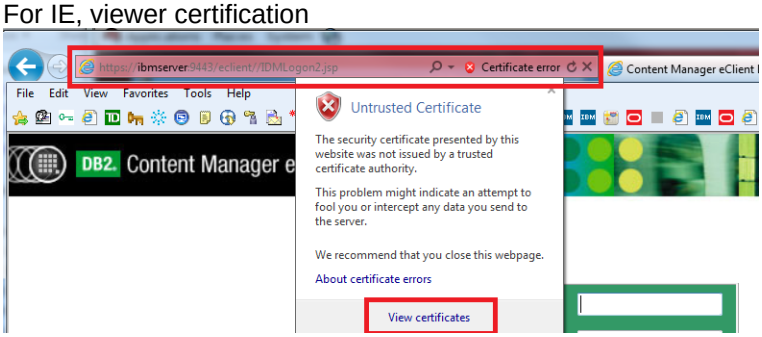


For FireFox, install certification:

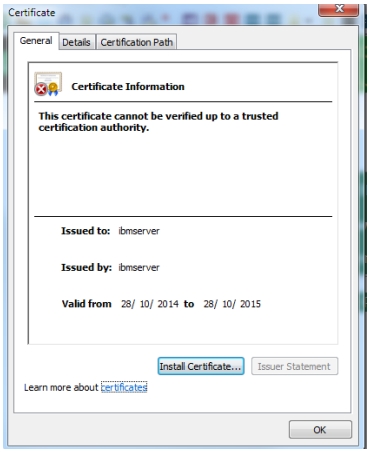




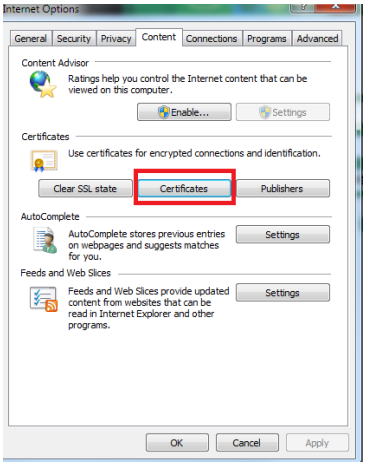
For IE, viewer certification

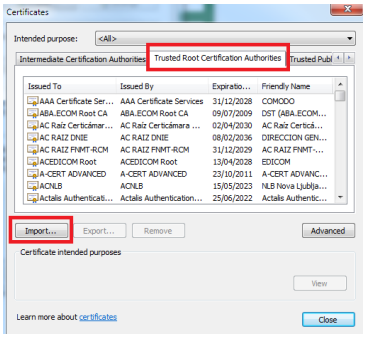


Install Certification

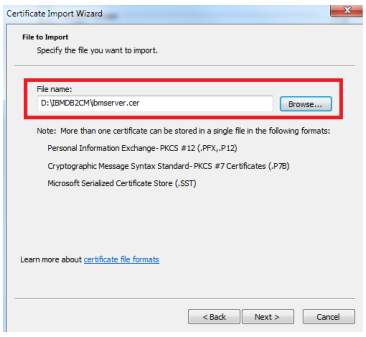


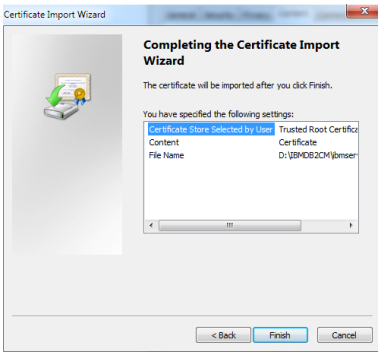
If you don't want warning messages from your browser, you have to install and trust the certification from the website you use https protocol to connect to.



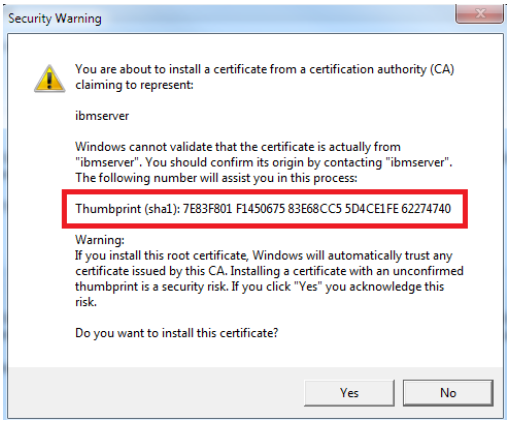


Import the certification you got from the website you visited.



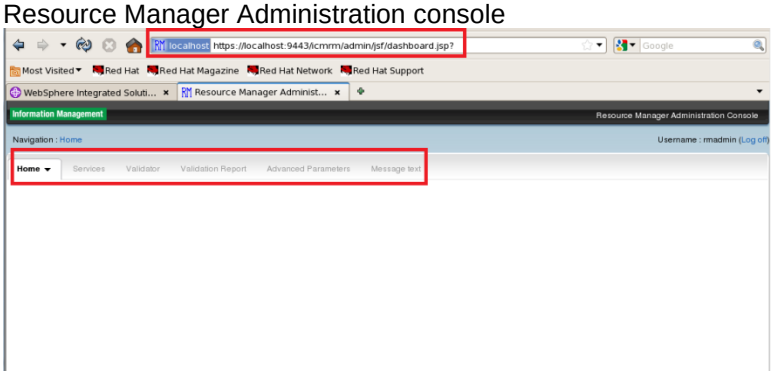


Finish certification installation and check the Thumbprint with your website service provider, make sure it from the right website.



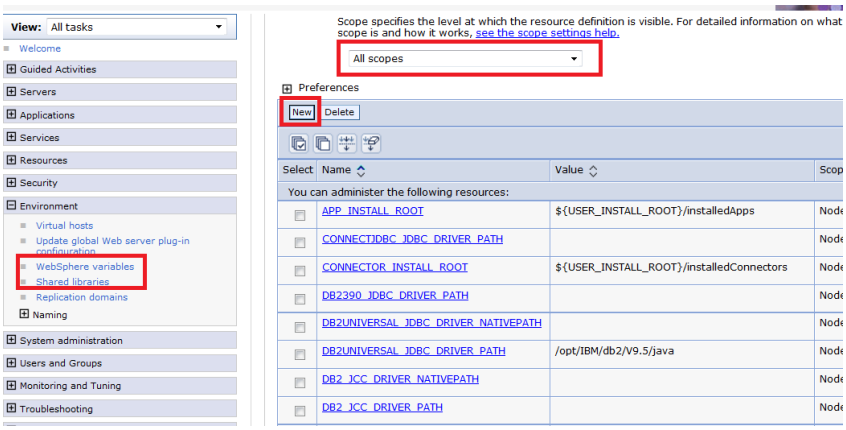
After accept this certification of this web site on your local web browser, you will not be told or blocked by your browser on the web site when you use SSL protocol to connect to this web site.

Resource Manager Administration console

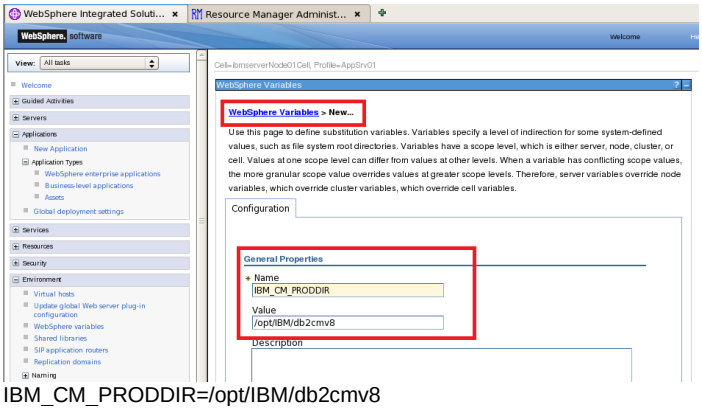


eClient Application Installation

In this example, we just deploy eClient java application (eclient.ear). Before we deploy this java enterprise bean, we need to define WebSphere variables and Share libraries in WebShpere Environment.

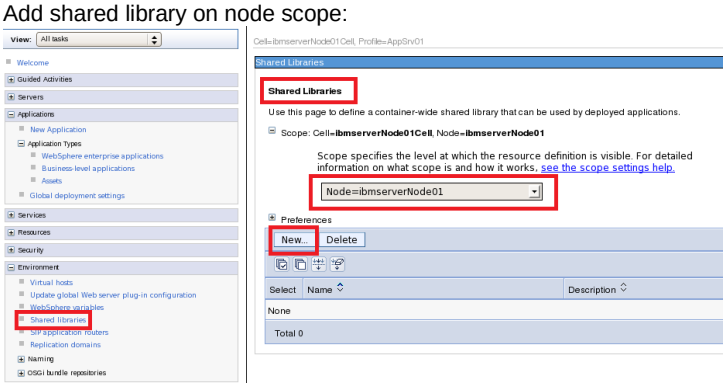


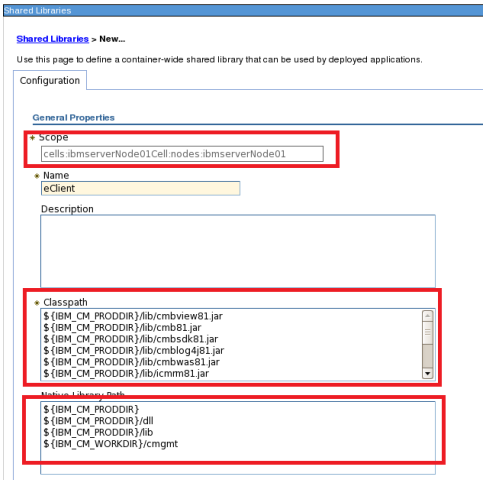
Add two webSphere Variables on node scope:



IBM_CM_PRODDIR=/opt/IBM/db2cmv8
IBM_CM_WORKDIR=/home/ibmcmadm

Add shared library on node scope:





Name: eClient
Classpath:

${IBM_CM_PRODDIR}/lib/cmbview81.jar
${IBM_CM_PRODDIR}/lib/cmb81.jar
${IBM_CM_PRODDIR}/lib/cmbsdk81.jar
${IBM_CM_PRODDIR}/lib/cmblog4j81.jar
${IBM_CM_PRODDIR}/lib/cmbwas81.jar
${IBM_CM_PRODDIR}/lib/icmrm81.jar
${IBM_CM_PRODDIR}/lib/log4j-1.2.15.jar
${IBM_CM_PRODDIR}/lib/db2jcc_license_cu.jar
${IBM_CM_PRODDIR}/lib/db2jcc_license_cisuz.jar
${IBM_CM_PRODDIR}/lib/db2jcc.jar
${IBM_CM_WORKDIR}/cmgmt
${IBM_CM_PRODDIR}/cmgmt

Native Library Path

${IBM_CM_PRODDIR}
${IBM_CM_PRODDIR}/dll
${IBM_CM_PRODDIR}/lib

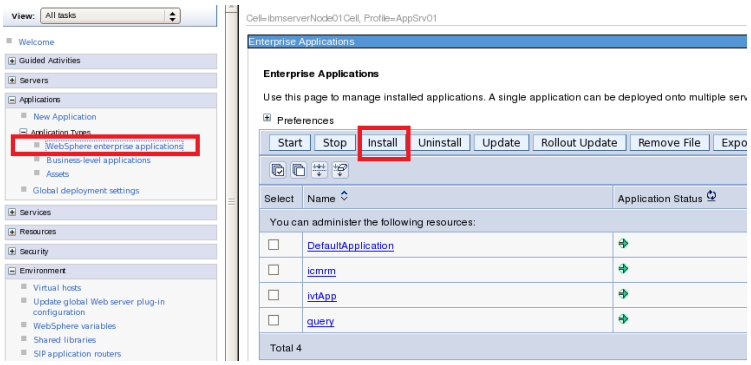
${IBM_CM_WORKDIR}/cmgmt

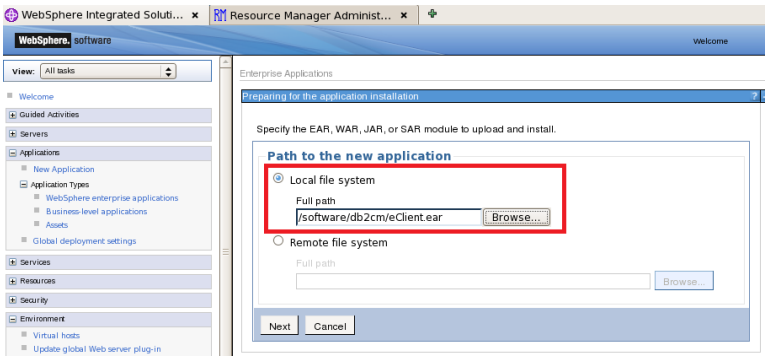
You can find that, after install Resource Manager, we install /opt/IBM/db2cmv8, but we still miss same java beans needed by eCleint, we have to copy these java bean from other eclient environment. Here I just copy two missing java beans defined in above Classpath (cmbview81.jar and cmb81.jar) from AIX server(cm07) to my Linux environment.

Run:

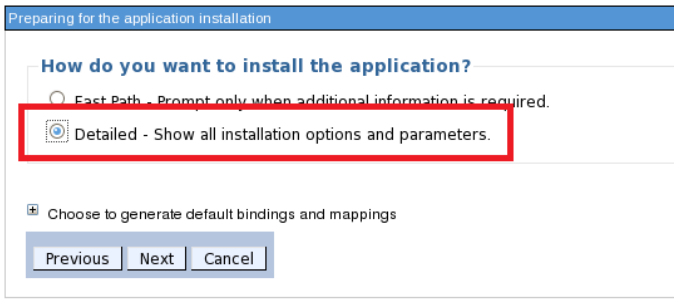
```
# scp cm07:/opt/IBM/db2cmv8/lib/cmbview81.jar ibmserver:/opt/IBM/db2cmv8/lib
# scp cm07:/opt/IBM/db2cmv8/lib/cmb81.jar ibmserver:/opt/IBM/db2cmv8/lib
```

Then, we start eClient enterprise java bean installation

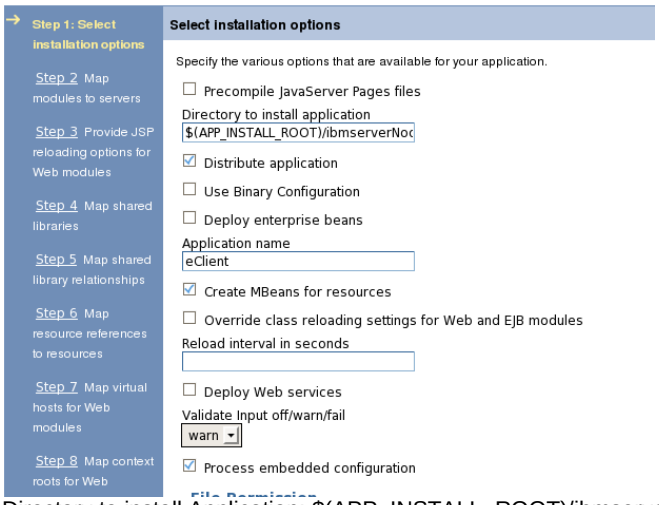




Find the eClient application, I export this eClient java application from AIX WAS Server, and copy it to my linux server.

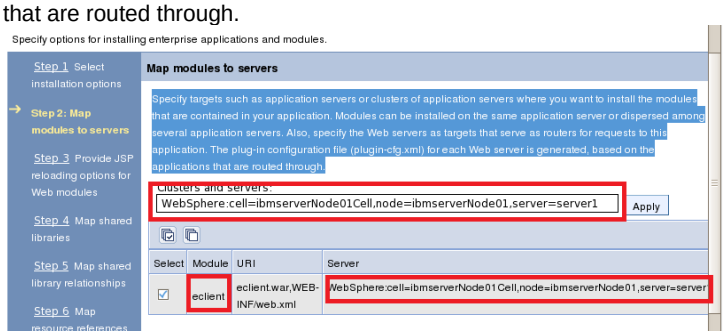


Choose Detailed installation method

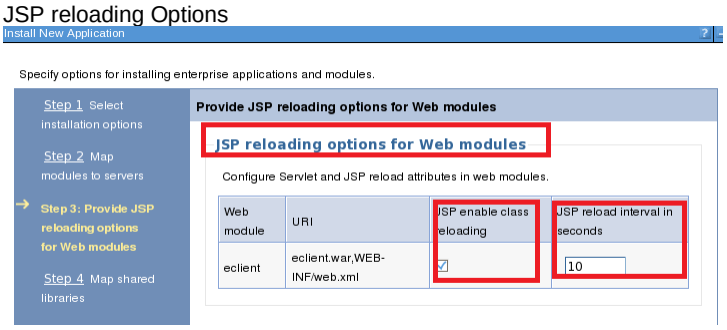


Directory to install Application: $(APP_INSTALL_ROOT)/ibmserverNode01Cell
Application name: eClient

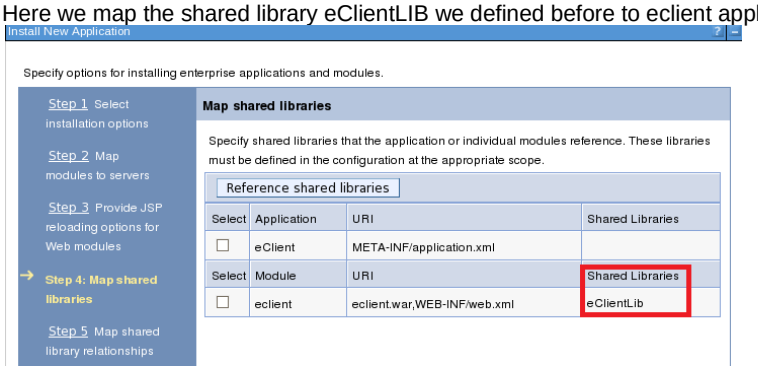
Specify targets such as **application servers (server1)** or **clusters of application servers** where you want to install the **modules (eClient)** that are contained in your application. Modules can be installed on the same application server or dispersed among several application servers. Also, specify the Web servers as targets that serve as routers for requests to this application. The plug-in configuration file (plugin-cfg.xml) for each Web server is generated, based on the applications that are routed through.



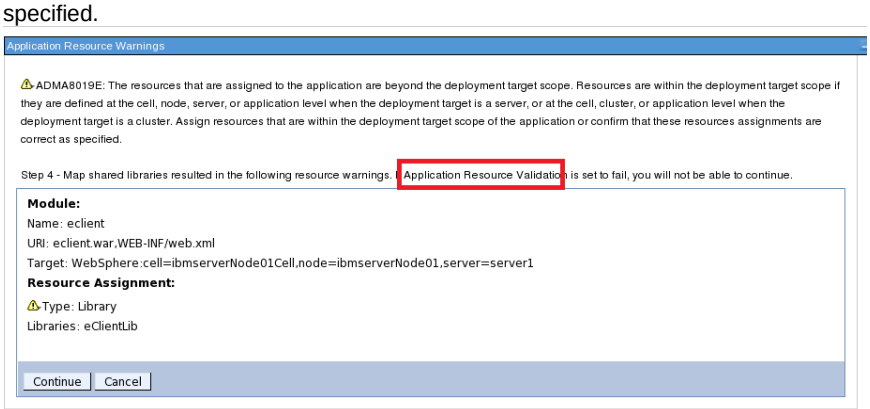
JSP reloading Options



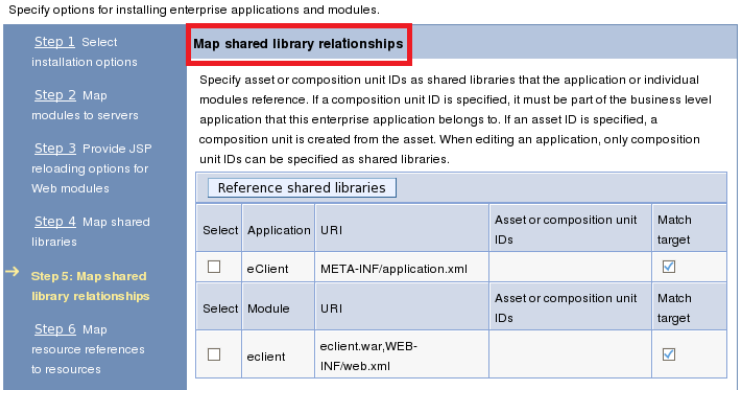
Here we map the shared library eClientLIB we defined before to eclient application



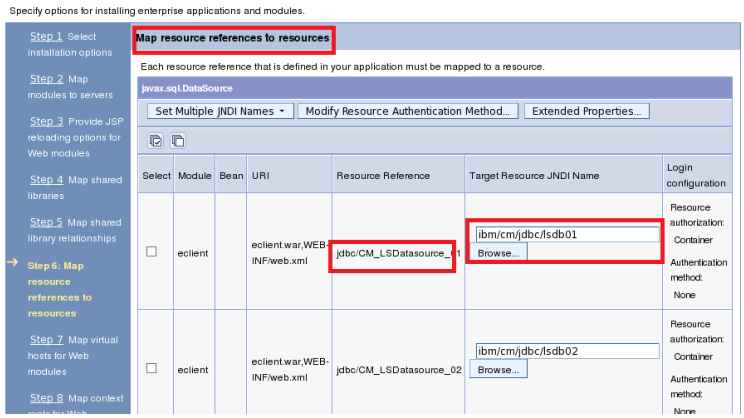
ADMA8019E: The resources that are assigned to the application are beyond the deployment target scope. Resources are within the deployment target scope if they are defined at the cell, node, server, or application level when the deployment target is a server, or at the cell, cluster, or application level when the deployment target is a cluster. Assign resources that are within the deployment target scope of the application or confirm that these resources assignments are correct as specified.



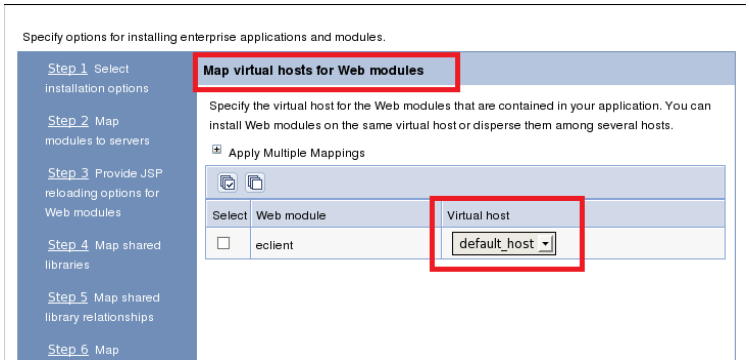
We will run validation later to verify the resource eClientLib



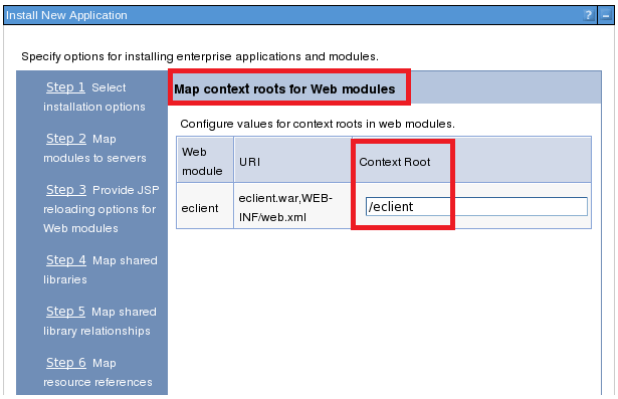
Map Resource reference to resource (JNDI name)



Module uses URI, Resource reference name is used to target physical Resource defined by JNDI name



Specify the virtual host for the Web modules that are contained in your application. You can install Web modules on the same virtual host or disperse them among several hosts



Configure values for context roots in web modules. SO, you can access this module with:
http://servername:portname/eclient

Installing...

If there are enterprise beans in the application, the EJB deployment process can take several minutes. Do not save the configuration until the process completes.

Check the SystemOut.log on the deployment manager or server where the application is deployed for specific information about the EJB deployment process as it occurs.

ADMA5016I: Installation of eClient started.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_01 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb01 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_02 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb02 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_03 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb03 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_04 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb04 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_05 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb05 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_06 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb06 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_07 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb07 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_08 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb08 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_09 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb09 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_10 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb10 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_11 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb11 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_12 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb12 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_13 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb13 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_14 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb14 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_15 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb15 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_16 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb16 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_17 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb17 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_18 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb18 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_19 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb19 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0115W: Resource assignment of name jdbc/CM_LSDatasource_20 and type javax.sql.DataSource, with JNDI name ibm/cm/jdbc/lsdb20 is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA0161W: The resource assignment with name eClientLib is not found within scope of module eclient with URI eclient.war,WEB-INF/web.xml that is deployed to target WebSphere:cell=ibmserverNode01Cell,node=ibmserverNode01,server=server1.

ADMA5068I: The resource validation for application eClient completed successfully, but warnings occurred during validation.

ADMA5058I: Application and module versions are validated with versions of deployment targets.

ADMA5005I: The application eClient is configured in the WebSphere Application Server repository.

ADMA5005I: The application eClient is configured in the WebSphere Application Server repository.

ADMA5081I: The bootstrap address for client module is configured in the WebSphere Application Server repository.

ADMA5053I: The library references for the installed optional package are created.

ADMA5005I: The application eClient is configured in the WebSphere Application Server repository.

ADMA5001I: The application binaries are saved in /opt/IBM/WebSphere/AppServer/profiles/AppSrv01/wstemp/0/workspace/cells/ibmserverNode01Cell/applications/eClient.ear /eClient.ear

ADMA5005I: The application eClient is configured in the WebSphere Application Server repository.

SECJ0400I: Successfully updated the application eClient with the appContextIDForSecurity information.

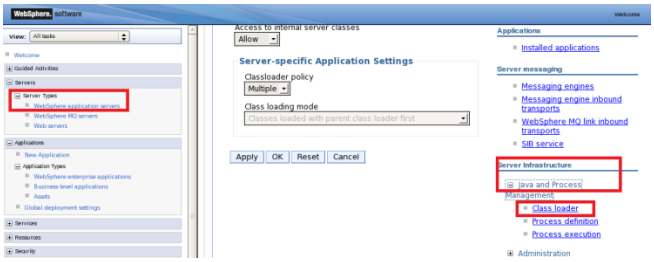
ADMA5005I: The application eClient is configured in the WebSphere Application Server repository.

ADMA5005I: The application eClient is configured in the WebSphere Application Server repository.

ADMA5113I: Activation plan created successfully.

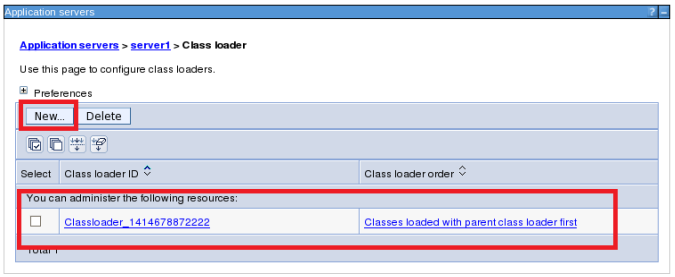
ADMA5011I: The cleanup of the temp directory for application eClient is complete.

ADMA5013I: Application eClient installed successfully.
Application eClient installed successfully.

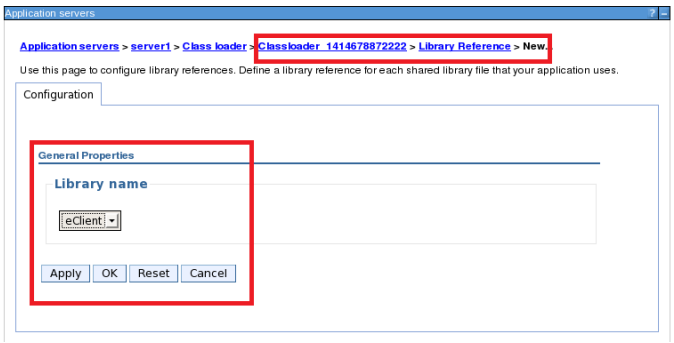


Go to the WAS Servers, define Server1 server infrastructure on java and Process Management

New Class loader

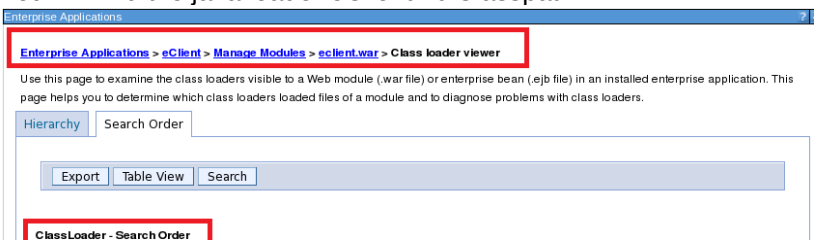


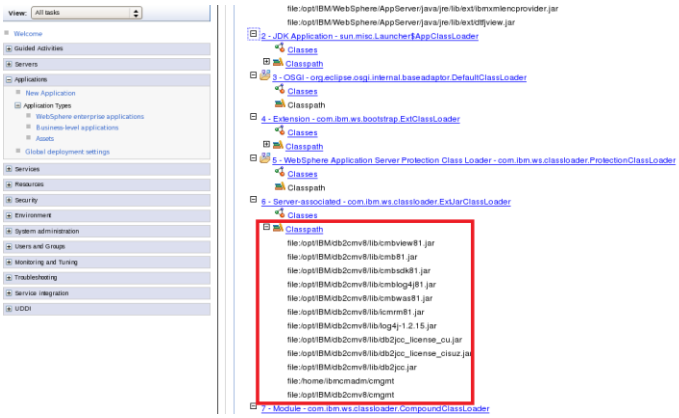
Add shared Library reference for this new created java loader



Stop/start WAS Server using First Step tool

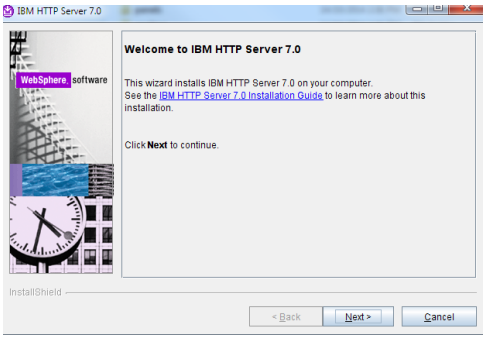
You will find the java loader eClientLib Classpath

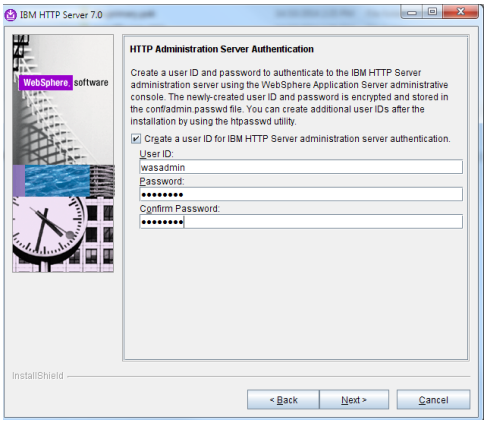




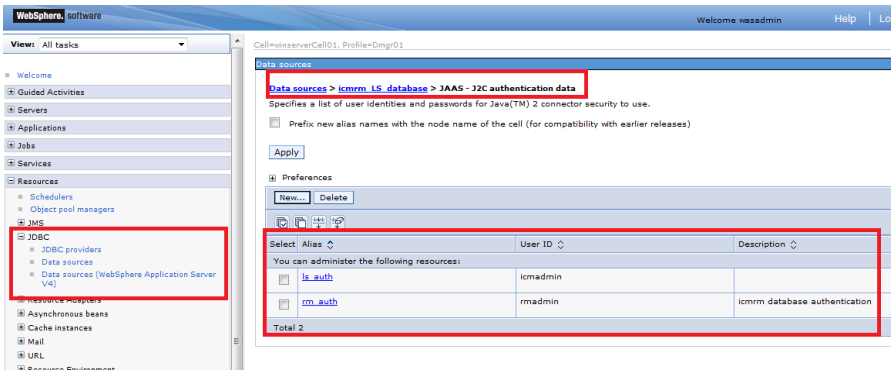
Access eClient:
http://ibmserver:9080/eclient//IDMLogon2.jsp

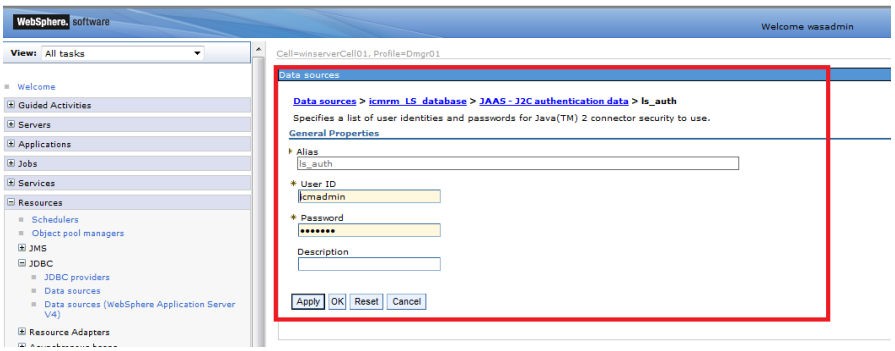
Install IBM HTTP Server 7.0





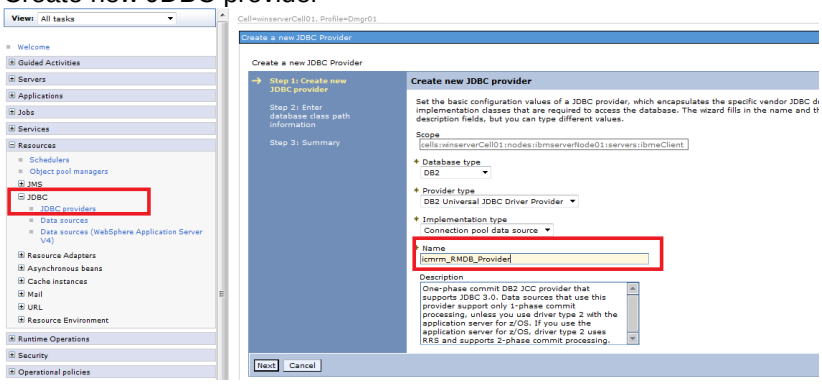
JBDC connection authentication

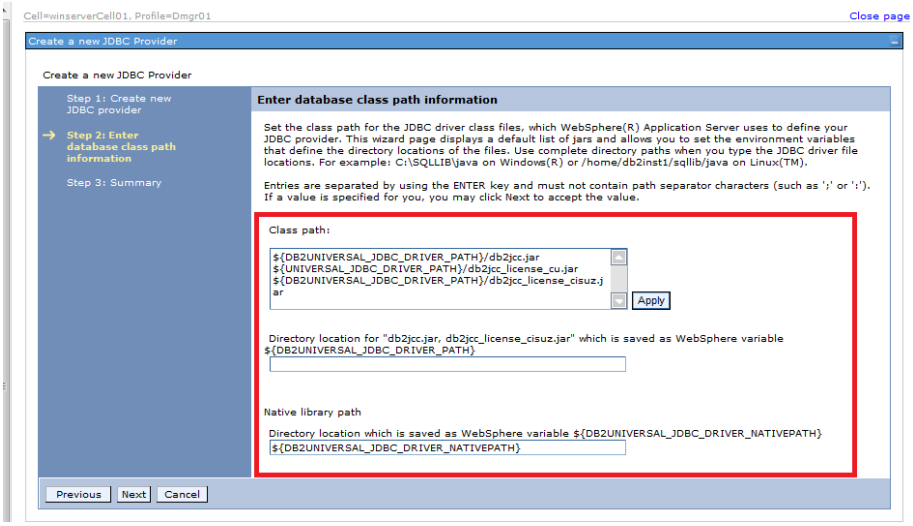


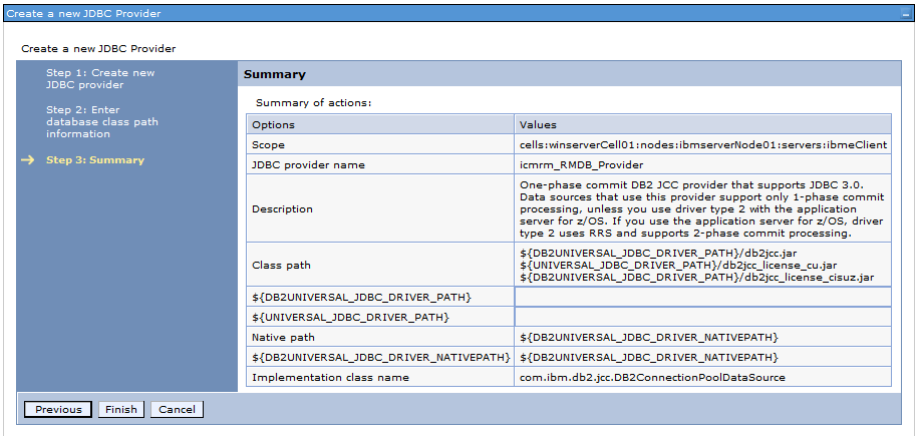


Provide DB2 database user name and password

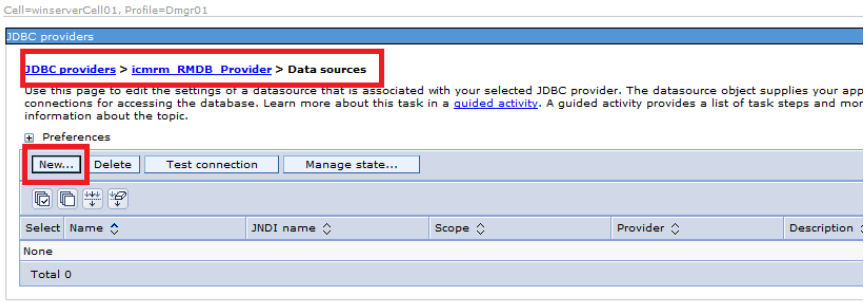
Create new JDBC provider

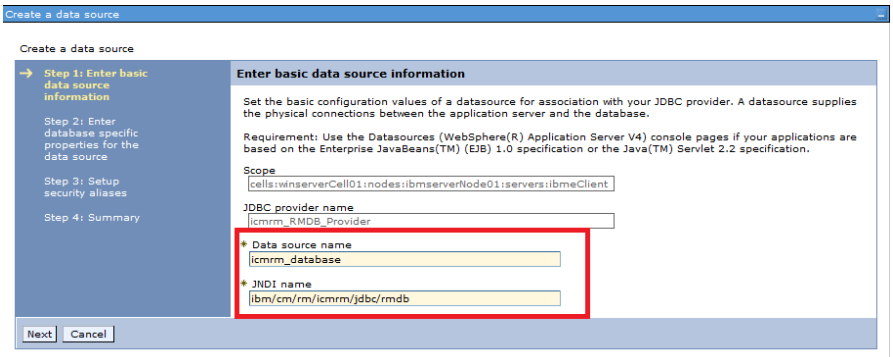


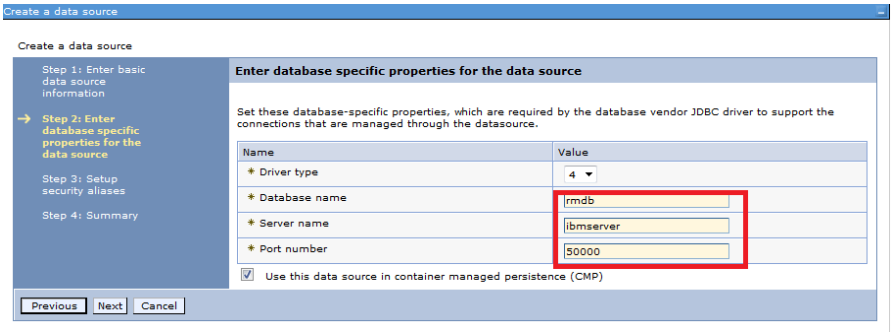


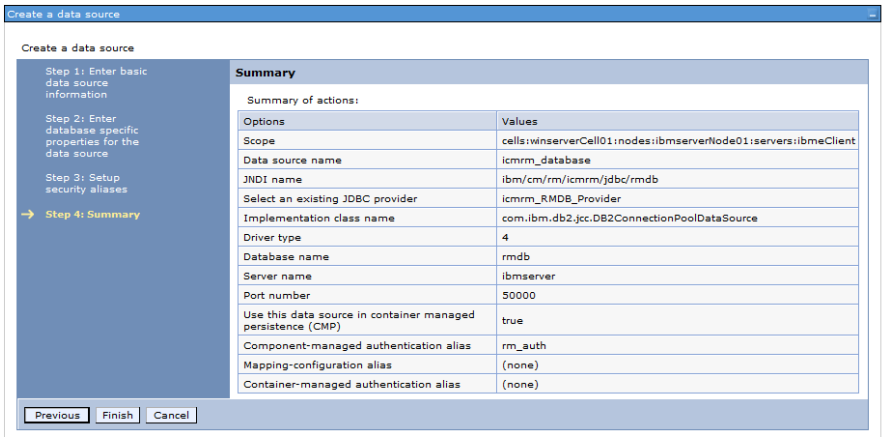


Define Data sources for JDBC providers

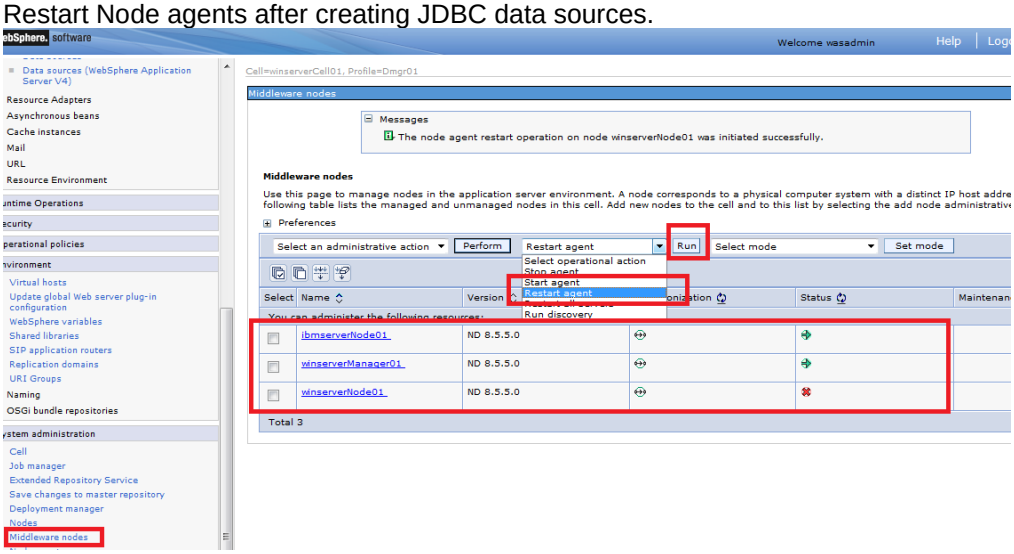








Restart Node agents after creating JDBC data sources.



Scope: =All scopes

Show scope selection drop-down list with the all scopes option

Scope specifies the level at which the resource definition is visible. For detailed information on what scope is and how it works, see the scope settings help.

All scopes

Preferences

New... | Delete | Test connection | Manage state...

Select	Name	JNDI name	Scope	Provider	Description	Category
You can administer the following resources:						
	OTiSDataSource	OTiSDataSource	Node=winserverManager01	OTiSDataSource	Data source template	
☑	icmrm_LS_database	ibm/cm/rm/icmrm/jdbc/lsdb	Node=winserverNode01	DB2 Universal JDBC Driver Provider	DB2 Universal Driver Datasource	
☑	icmrm_LS_database	ibm/cm/rm/icmrm/jdbc/lsdb	Node=ibmserverNode01	DB2 Universal JDBC Driver Provider	DB2 Universal Driver Datasource	
☑	icmrm_database	ibm/cm/rm/icmrm/jdbc/rmdb	Node=winserverNode01	DB2 Universal JDBC Driver Provider	DB2 Universal Driver Datasource	
☑	icmrm_database	ibm/cm/rm/icmrm/jdbc/rmdb	Node=ibmserverNode01	DB2 Universal JDBC Driver Provider	DB2 Universal Driver Datasource	
Total 5						

Hide Details

```
Starting automount:                                        [  OK  ]
                                                           [  OK  ]
Starting sshd:                                             [  OK  ]
Starting cups:                                             [  OK  ]
Starting vmware-tools-thinprint:     Starting Virtual Printing daemon: dor
                                                           [  OK  ]
Starting sendmail:                                         [  OK  ]
Starting sm-client:                                        [  OK  ]
Starting console mouse services:                           [  OK  ]
Starting crond:                                            [  OK  ]
Starting xfs:                                              [  OK  ]
Starting anacron:                                          [  OK  ]
Starting atd:                                              [  OK  ]
Starting background readahead:                             [  OK  ]
Starting rhsmcertd 240 1440                                [  OK  ]
Starting yum-updatesd:                                     [  OK  ]
Starting Avahi daemon                                      [  OK  ]
Starting ibmserverNode01_was.init:  Starting WebSphere Application Server
ADMU0116I: Tool information is being logged in file
           /opt/IBM/WebSphere/AppServer/profiles/AppSrv01/logs/server1/sta
ADMU0128I: Starting tool with the AppSrv01 profile
ADMU3100I: Reading configuration for server: server1
ADMU3200I: Server launched. Waiting for initialization status.
```

It takes extremely long time to start WAS if you change the IP and without right DNS to resolve the node/server name

Case Study

You can submit issues through http://hss, but for any urgent issues please call us (416) 626-3141 or (877) 626-3141.

End User Severity:

2 - (Production Impact)
3 - (General Issue)
N/A - (Change Request with no Business Impact)

ID	Problem	Description	solution	owner
1	Problem with Printed Invoice	Messed invoice format	This is caused by bad data format, case forwarded to "Brokerage" Group	Brokerage
2	ISIS Slow	ISIS is dragging and take a long time to open up	No error found on servers, it should be normal now	
3	System generated documents(invoice) are not in ISIS/LOIS	7501 3461 Billing Invoice Please provide invoices and 7501 for the following entries: 300-2880130-5 300-2880131-3 300-2880132-1 300-2880133-9 300-2880134-7 300-2880135-4 300-2880136-2	Case forward to "System Admin" Group Please check the files are sent to ISIS. Please push invoice to LOIS, and reassigned to Brokerage group	System Admin Brokerage
4	ISIS is running extremely slow	Clicking on folders to load images is slow. intermittent issue that has been occurring for the past few weeks	No error found on the server. This is a known issue when many process running on the server. but soon it back to normal	
5	NOTES IN LOIS BEING REMOVED	Received a shipment via DHL to be set up as a PARS. Documents were placed in H status in LOIS to verify Importer of Record. On Oct. 18th the file was reviewed and placed into J status with notes placed in VIEW FOLDER NOTES, stating that we are not the broker and the documents have been sent back to the carrier. DHL resent in the paperwork again for the same file which triggered our system to put the file back in new. Again this was placed in H status to verify the Importer of Record. On Oct. 19th we realized this was the same shipment, we went into VIEW FOLDER NOTES and noticed that the notes that has been placed there the day before were removed. We now have put in a new set of notes dated Oct. 19th stating this is not for us to clear. The transaction number to the file in question is 10827618277653. Would you kindly look into the matter and advise me as to what could have happened and why my notes in LOIS have disappeared.	Assign to WIRED group (Web Imaging Reporting External Dev.) Please look at this issue.	WIRED
6	Error generate page segment: M76-Various	For each upload that failed, can you please advise who is uploading the file because the team claims they are not uploading an image? This appears to be an issue with ISIS	Please upload the correct format doc. no error found on other server	
7	Cannot obtain images in LOIS	I am assisting my client, ConAgra Foods (#350137) who is under CBSA audit.		

	or Insight Imaging for trans	He advised me that he was unable to view documents in Insight Imaging for trans # 10827784928057. I went into LOIS and was also unable to pull up the images. Could you please investigate ASAP as the client must respond to Customs with reference to the audit?		
8	7501 not in isis	I created a ticket on this issue on October 17th. It’s seems that alliance it not sending the 7501’s to ISIS once the shipment has released. Attached is a list of entries missing such document | Customer | Customer # | Entry # | FIle # | Done By | Date |	Ensure to send correct Doc to ISIS	
9	No ISIS print files received P4 file?	We have not received the ISIS print files. Can you please check if they are building	the U files are building	
10	The following entries do not have system generated documents in ISIS	300-71705220 790000523 300-71705311 790000532	Re-assigned to System Admin Group This ticket will be closed as: you do not have any files in ISIS because these files have not been billed out yet. Everything in ISIS is driven by the billing. You will not receive any other documents until the file is billed out.	System Admin Group
11	Received an email from team 4 stating that our client received a blank page	as back-up to an invoice sent to them. The entry is 300-5512228-5. I looked in ISIS and there are numerous non-confidential documents that should have accompanied the invoice but didn't. I do not know why the non-confidential documents did not get sent. I was told to bring this to your attention.	Reassign to WIRED Group Claudio please review why many non-confidential document??? Claudio reassigned to Tony	WIRED
12	The images open up fine in eClient (Lois) but when emailing or exporting the document they don't all open	Getting 'unsupported, damaged or corrupted' message when opening. I tried on my laptop and had the same problem as the user. The transactions I tried were the following. User tried a lot more and having same issue. 10827160032175 10827160032734	Reassign the task to WIRED group: Claudio This is due to incorrect compression settings of the MFU for transaction : 10827160032175 the document having Batchname : 10162012105351AM7963770 is properly scanned with the compression CCITT T.6 the documents having Batchanme : 103201283940AM7831331 are not properly scanned from	WIRED

			the MFU Because they are using compression JPEG. The MFU at fault needs to be fixed. please contact Ladra Wilbur at Explorer Drive Post Entry Department 905 629 4411 ext 5318 Thank you Claudio	

13. when trying to import a .tif file into an existing document
    ==========
    getting the attached error message.
    Happening for many different transactions.

    Able to import to a D file in the past but not working now

    Transaction:
    10827148051403
    10827148051414

    Solution:
    =========
    Reassign the task to WIRED group: Tony Liu

    As confirmed with user, it works fine now.

    If the eClient has problem again, please just logoff the eClient, close the browser, then open the browser again to logon eClient.

    In some case due to the communication error, the eClient report error because the browser lost the link temporary or disconnected and connected again but lost the link with Content Manager of LOIS, that's why the eClient report this kind of error and this kind of error can be fixed just logoff and reopen the browser.

14. I have two sets of documents which were scanned into ISIS late last week.
    ==========
    They still are not showing in ISIS.

    790000573/7170572-5
    790000516/7170515-4

    Can someone please look into this and advise me?

    Solution:
    =========
    hi Claudio, it is same issue Please advise.Let me know if you see something wrong with Kofax

15. We have not receive any of the “ISIS U- files” for November 2nd 2012.
    ==========
    Please check to see if the files are being built.

    Solution
    ========
    not received US Allaiance file yet.

16. Please assign to Bob Chong to reprint 10 separate files.
    ==========
    10 TXT files

17. user has reported items in content manager folder are not moving automatically.
    ==========
    Please see screen shot.

Solution:
========
Restart deamon (my question: which deamon and how?)

18. LOIS Worlist Queue vs Search Queue
    ==========
    Hi there,

    Could someone please look into why certain files are not showing up in our Worklist Queue.
    Each and everyday I am finding files from the search queue that are not showing up in the worklist queue.

    We are starting to get some very angry drivers.

    I've attach example for you to see. Please give me a call if you need more info

    highlights are not showing in lois

    Solution:
    =========
    Re-direct to WIRED group: Tony Liu

19. problem for printing invoice# 953-008197 from ISIS
    ==========
    I am having a problem for printing the following invoice from ISIS.

    When I try to open this invoice from ISIS, I keep getting the error message below.

Date	Invoice#	Entry#	Amount
12/08/13	953-008197 INV	300-32697987	550.00

    others are also affected

    Solution:
    =========
    Re-direct to WIRED group: Tony Liu

20. Missing data from ISIS
    ==========
    I have been working with Kewill to push data into ISIS.
    Pam has confirmed the files are going - ISIS is not picking them up.

    Solution:
    =========
    ****
    Call Record REOPENED
    Previously CLOSED by JSAK on 05/11/2012 at 09:43:00am

    Close Description: This ticket will be closed as

    Nichole please explain what is ISIS not picking up files???

    ****
    Mike please review this log.

21. BILLING PACKAGE NOT IN ISIS
    ==========
    Entry # M76-7369279-6 does not have the 7501,invoice, or bill in the ISIS file.
    This shipment was billed out on 10/23/12 and successfully exported on 10/24/12 at midnight.
    I can find no duplicates.

    Please advise why the billing package did not update for this file when shipment was billed correctly.

    Solution:
    =========
    Mike, please review what wrong on Alliance.

this is Alliance problem again.
please work with them to sort this out.

22. LMS DB2- Entries to be pushed from ISIS to LMS Resource Cntr
==========
I need to have the following 2 lists of entries flagged in ISIS and pushed to the LMS Resource Center asap for Mega Brands.

This is a new account that a LII Director has sold the CD service and they require the back dated entries immediately.

Solution:
==========
To WIRED, TOny Liu

23. entries not going to lois
==========
i have keyed entries yesterday and today and they are not going into lois.

For example, I have 33 entries done and only 9 came threw to lois.

Here are some transactions that are not in lois.
10827159985553
10827159985600
10827159985746

Solution:
==========

24. No Invoices in ISIS
==========
71706145 and 7176236 were billed on 11/05 and ISIS shows no search results under those Entry numbers.

25. LOIS printing - please log with Bob Chongs group
==========
2012/11/02 005810 Invoice 5202.75 290705 030 547 000 INV P3 20121103 061821

The image pages from the above (and attached) only had 1 visible image page, the rest are blank.
Please review and reprint invoice with legible back up.

Solution:
==========

26. LOIS printing please log to Bob Chongs group
==========
2012/10/19 765093 Invoice 507.87 217988 020 403 000 INV P3 20121020 050427

Extra blank images have been included as page 25 to 47.
There is only one set of images in CM and the team has no permission to delete images.

What are the blank pages? Please review and reprint if necessary with proper numbering.

Solution:
==========
in eclient, we can only view first page. the reste is blank pages.

so the print file is right. nothing wrong.

may be we should ask why the user can so many blank pages.

Robert, this doc has around 34 pages. the program is unable to convert some pages due to some reasons.

this could be the page is too dark.

even if we reprint the file. it will be the same.

for this txn, we can use eclient to print it manually.

Please reopen the log - not acceptable.

The invoice package pages are numbered
and printing from the eClient (with what resource?) will not be numbered.

Managed Services has many clients with and scans with documentation like this.

Thanks,
Robert

27. scanning into LOIS
==========
when scanning files into Lois they are not going into the traffic Q even
though traffic is marked off on the cover sheet

they are showing N status in traffic when looking up the file.

Out of 30 files scanned one of them does go into the traffic queue...

Examples of trans# that are supposed to go into traffic queue but did not

10827160402388

Solution:
==========
Assign to WIRED group

28. No Billing in Isis!
==========
Files 790000616 and 790000625 were billed on on 11/06 and there is still nothing showing up in ISIS.

Solution:
==========
It has been confirmed that files were in package for the 6th and package did not fail.
Please look into why files are not in ISIS, additional information in tech notes.

the package loaded successfully.
but the entries not existed in an index file which will create the folder in CM.
do you know who manage the US index file.

US index rebuilt and sent to ISIS.

the nov 14 index file was re-processed.
now you should see the data.

29. Unable to open back up in LOIS
==========
client is requesting copy of back up for CLVS 9999724731607 -
CCN 400-540588796016.

I cannot open the attachment error message states

" There was an error opening the document. Unable to open the selected document"

The confidential attachment opens but not the back up.

I have tired other transactions and all back up attachments open.

Solution:
==========
this image for some reason is bad and cannot be displayed.

the user has to get the image from the source.
txn=10827957345185
clvs=99999724731607

30. SSI Invoices/releases not found in ISIS
==========
I have three SB files that are NOT in ISIS.

client 951486 M76 73740652

client 952463 M76 73736551
client 952463 M76 73736940

All are from November 5, 2012.

All have the BCS, & Entry Summary completed.
All are billed on 11/5/2012
and all are arrived in the Customssystem
All are SHIPPER SIDE INVOICES but have not moved into the ISIS system.

Solution:
=========
we can see the invoice. it is there now.

31. All- ISIS is very slow just now
==========
and is taking a couple of minutes to simply pull up a Work List. Please look into.

Solution:
=========
Claudio, looks like when Vastera sync program running.
it affects the worklist. please take a look.

Please create indexes for : ICMC01242V01242001 table in ISIS on LASTCHANGEDTS and another one on CREATETS

UPDATE ICMADMIN.ICMC01242V01242001 SET VACREATETS = CREATETS, VACREATEUSERID = CREATEUSERID, VALASTCHANGEDTS
= LASTCHANGEDTS, VALASTCHANGEDUSERID= LASTCHANGEDUSERID WHERE ((LASTCHANGEDTS >= timestamp('2012-
11-19 11:00:15') OR LASTCHANGEDTS IS NULL) OR (CREATETS >= timestamp('2012-11-19 11:00:15') OR CREATETS IS NULL))

Please create indexes for : ICMC01256V01256001 table in ISIS on LASTCHANGEDTS and another one on CREATETS

Updated to be executed UPDATE ICMADMIN.ICMC01256V01256001 SET VACREATETS = CREATETS, VACREATEUSERID = CREATEUSERID, VALASTCHANGEDTS = LASTCHANGEDTS, VALASTCHANGEDUSERID= LASTCHANGEDUSERID
WHERE ((LASTCHANGEDTS >= timestamp ('2012-11-19 11:00:15') OR LASTCHANGEDTS IS NULL)
OR (CREATETS >= timestamp('2012-11-19 11:00:15') OR CREATETS IS NULL))

Please create indexes for : VASTERANAFTADOC001 table in ISIS on LASTCHANGEDTS and another one on CREATETS

UPDATE ICMADMIN.VASTERANAFTADOC001 SET VACREATETS = CREATETS, VACREATEUSERID = CREATEUSERID, VALASTCHANGEDTS = LASTCHANGEDTS, VALASTCHANGEDUSERID= LASTCHANGEDUSERID WHERE
((LASTCHANGEDTS >= timestamp('2012-11-19 11:00:15') OR LASTCHANGEDTS IS NULL) OR
(CREATETS >= timestamp('2012-11-19 11:00:15') OR CREATETS IS NULL))

Please create indexes for : VASTERAOTHERDOC001 table in ISIS on LASTCHANGEDTS and another one on CREATETS

UPDATE ICMADMIN.VASTERAOTHERDOC001 SET VACREATETS = CREATETS, VACREATEUSERID = CREATEUSERID, VALASTCHANGEDTS = LASTCHANGEDTS, VALASTCHANGEDUSERID= LASTCHANGEDUSERID WHERE
((LASTCHANGEDTS >= timestamp('2012-11-19 11:00:15') OR LASTCHANGEDTS IS NULL) OR
(CREATETS >= timestamp('2012-11-19 11:00:15') OR CREATETS IS NULL))

In order to speed up the searches when the update query is run.
The programs executes every 5 minutes.

32. Invoice not in LOIS
==========
There is a rebill that did not get updated or I am unable to locate in LOIS. Invoice # 712-412869.

I emailed the billing Dept., they said that it was issued in Aug., that this is now a IT issue.

Client will not pay until he see's this invoice

See email

Solution:
=========
To: Brokerager

please check when the udpated invoice sent to Lois.
and what is the trans number.

33. Blank backup pages
==========
The following client is Q coded for the invoices to come to the team for perusal
before getting mailed.
The last 3 we have recieved the backup pages are all blank, the backup is clearly in LOIS.

Can someone please look into. Here are the 3 trans #.

10827160110773 , 10827157006974 , 10827160111013

Solution:
=========
talk to the user the image is in bad format JPEG.
need to print it out manually and mail to client.

34. The invoice 712-412869 is still not printed, trn 10827957170254.
==========
Client will not pay until they see this invoice.

Solution:
=========
To Brokerage Application Development Mirella,

the invoice file was load in OD system.
but the index file did not have this entry.
please re-send the index file of this entry.

35. Lois scanning question
==========
We sent to cdnimports a file via email and the file we found when lois
put in the queue was awful copies of the clear copies we sent.
why? How can this be avoided? Is lois having a problem with fviewing/ copying the files?
attached is clear copy we sent to LOIS and attached is what we found in LOIS.

Solution:
=========
To technical support Lev Rovman

please the setting on the front end.
why the image is different before and after.

36. ISIS entries 71708844 and 71708935 were scanned incorrectly.
==========
Can they be deleted so I rescan the documents to the proper entry number?

Solution:
========
the images are removed according to the user.

37. After I checked out the backup tapes from Lois library,
the tapes should be on the stacker but I cannot open the stacker
==========

solution:
=========
reset the tape library to resolve the problem.

38. Lois Library has amber light (exclamination point)
==========

the light will be off when we clean up the log next week.

38.File from FEDEX
==========
FEDEX has advised that notification was sent to Livingston for CC# 400-518543368577,
trans#20197-700062010but I can not find a waybill in our system.
The only file in LOIS is the one that was scanned by the team off of the pre-alert

This is FEDEX response
518543368577 advised 50 minutes after midnight on 29th November
COMM 11/29 0050 YYZ 005678 IT ADVISED TO LIV VIA INTEGRATED
STAT 11/29 0045 YYZPC 005678 I 64-NON-FEDEX CLEARANCE
COMM 11/29 0045 YYZPC 005678 I LIV - HVS BROKER ADV

Client requires a copy of the waybill to be attached to their file in LOIS,
please advise why this file is not available.

39. Please help the on demand docs did not load into ISIS. This was billed on 11/29
==========
902096603
300-7020580-9

Solution:
==========
this invoice number 902096603 is associated with filer/entry no 300-70305808.
use this entry no you found the OD doc.

40. Please verify why we cannot have in Lois the invoice 010-578534 and 010-582865.
==========
the client needs copies of them. Are they generated?

Solution:
==========
please search under "Release" item type. the trans no is 10827156589999.
you can find the invoices there.

41. There was an error opening the documents
==========
unable to open the selected documents

Solution:
==========
please re-import this image.

N 20121221 12212012113011AM8691032

42. Please be advised, our clients FTP folder contained entry packets with a blank Livingston invoice
for the following entries:
300-71660516
300-71660532
300-71660573
300-71660086
300-71660490
300-71660524
300-71660540

Please advise how to correct this issue. I tried to print the invoices fromo ISIS,
and they are blank as well.

Solution:
==========
we found that the /arstmp/in/backup/2013_02_24/PACKAGE.2013FEB230215 file from Alliance.
the invoice file is blank for example. 300-71660516.

please ask them to investigate...

43. cannot open docs on trans#99999729232307
==========
unfortunately we are not able to re import images that older than 4 days.
Batch created on 27/02/2012 is no longer in Kofax archive folder.

Solution:
==========
since the file is too old to recover.
the user needs to get the image from the source.

44. Please delete the documents that were scanned into ISIS under file 71713828
==========
- they are the wrong documents.

Solution:
=========
the three images are deleted.

45. Invoice incorrectly printed
==========
Hi, we just received this invoice and the printout of the invoice are pushed up too high near the bottom of the page.

Please action and advise me so that I can request a reprint of the invoices to send to the client.

Solution:
=========
As the invoice data has 10 more lines in the extracted text file, please re-extract the data for LOIS to load to OD.

AIX is doing the unload first, please coordinate with Bob Chong,
once he unloaded this invoice from OD then please re-extract this invoice. Thanks.

You can re-extract the data for this invoice ONLY and then send this file to Bob Chong manually,
he can do the loading manually for this invoice only, Thanks.

46. We have another FedEx backup issue.
==========
We are receiving the eManifest data and the coversheet in eClient
but we are not receiving the backup images.

Here's an example, 400-799304851620. This file was received 3 times without the images.

Also, when the FedEx imaging system is down, the images do not post to eClient once the FedEx imaging system is back up.

Solution:
=========
Reassign to WIRED Team: Claudio, Do you know what happen?

Claudio:this is an infrastructure possible issue
Tech Support:10827626284181 found in Release Recent

This ticket will be closed as
Server reboot. Systems are working fine now.

47. There is an issue that a credit and rebill is not showing up in LOIS.
==========
The rebill has been done but nothing is popping up in LOIS.

Please have this invoice 'pushed' out so it shows in LOIS.

Original entry 310-115049
Rebill that needs to show up 310-171657

This was done March 11

Original Invoice	Credit Invoice
458-887964	458-966708
458-887998	458-966729
458-887980	458-966615
458887880	458-966689
458887947	458-966696
458837568	458-966671
458887904	458-966738
458881082	458-966456
458887671	458-966488
458887669	458-966477
458837548	458-966497
458887676	458-966492

Solution:
=========
due to the duplicated transaction number in the system
we have to manaully send the rebill invoice to the user.

manually email the credit invoice to the user.

48. The invoice is not counting the pages correctly
==========
the MFU didn't scan this properly but at the bottom right hand corner,
it should say that there are 12 pages in total.

The problem is that I've gone over the COLLATION MAIN settings and it seems that the package count is off.

The invoice package should only be a total of 4 pages, rather than the 12.

Solution:
=========
this is possibly the images are moved away during the print process.

if you want a good copy. please provide the reprint.txt file.
it then will have the good page number.

49. missing in ISIS
==========
file 902109112
entry 300-7450596-5

there is no CF3461 7501 or billing in ISIS for above

Solution:
=========
To System Admin team: please confirm when this invoice sent to Isis.
we did not find the doc in Isis.

50. UNABLE TO LOCATE DOCS IN LOIS
==========
We have been unable to locate the attached docs in LOIS.
As per the driver's confirmation enclosed we should have received the docs on March 24th at 10:05am.
They are in LOIS now because we scanned them in today, when the driver arrived,
but what happened to the e-mail the driver sent on the 24th?

Solution:
========
To: WIRED team, Please check when this image went to Lois.

51. hilti transaction 10827626262265 no b3 recap or liv invoice
==========
The above mentioned trasnaction does not show the B3, recap or invoice to Hilti in LOIS.
The client has not recieved them via FTP.

Solution:
=========
please confirm when the OD docs are sent to Lois.

Brokerage Application Development:
The invoice is still inprogress.. released the invoice for printing.
will check in the morning in LOIS.

52. ISIS Error disrupting reports
==========
ISIS has somehow created a document where folders are located.
This seems to be throwing off reports as my No Image Report states that
entry #M76-20192239 has no image for 10 days, yet the folder does have a document.

Could you remove or delete the random file that is floating out there?
I have attached a screen shot from ISIS for your review.

Solution:
=========
the duplicated doc was removed. Thanks.

53.User did not received any P1, P4, P6, P7, P7, P31 and P32.
==========
User works till 20:30

solution:
=========
P files are created

54. entry number 300-39406929 in ISIS is showing a doc file outside of
the folder with the same entry number.
i can not get them to go together. please see attached screen shot

Solution:
=========
the bad doc is removed. Thanks.

55. Ford Imaging Report
==========
I need to obtain a report from ISIS that captures all entries that are in
ISIS for customer numbers 560293 and 560294, from 12-14-2012 through today.

The report needs to provide the entry number the source documents create date
and the print info date information. See screen shot attached for date selections.

During clients SB start up there were a lot of files that missed the automated push
to Adminserv for Ford and we need to ensure all of the clients records are pushed accordingly.

We have to pay for this additional service so we don't want to push more than necessary.

Solution:
=========
re-assign to WIRED group: A special program needs to build for this report.

56. No Image Report-M76-2063618-5
==========
Documents are in ISIS under M76-2063618-5.
The entry will not fall off of the No Image Report. Please advise.

Solution:
=========
please look into and have removed/advise user. docs are in fact in isis and
should not appear on the no image report. report is pulled from
http://ecmipm_01/USReportApp/USReport

Search Results
20636185

US WIP

01 954094 901 UPSC A4206YGVDLY 20130508-0835 M76 20636185 C 20130508
20130508083551333258 7 N

Invoice Date	Invoice Number	Document ID	Invoice Amount	Client	Caption	Branch	Invoice Type	Seq	Print Info
2013-05-09	569282	7501	0.00	954094	1	137	1	U1	20130516 064933
2013-05-09	569282	Invoice	32.20	954094	1	137	0		

the CM image should be in US document type not US WIP type.
somebody mistakenly put the doc in US WIP this is why no image report has the entry.

57. CREDITED INVOICE not printing from ISIS.
==========
Based on the attached email, the credit appears in ISIS but when you select the
invoice and print, original invoice prints. We need this for the client's records.

Please see attached email for the full picture of what the issue is and advise.

Solution
========
Shelly please provide the entry number so I can investigate.
the attachment lost the image. please re-submit. or give me a call at 416-626-2800 x3222.

58. reprint Canon's inovices.
==========
The client number is 200749/050 from Feb 5, 2014 to Feb 21, 2014.

Solution
========
the reprint file R_1_140225_103203.afp is created and sent to the printer.

59. Scanning issues
==========
We are having issues with the loading of our ISIS documents. It is continuing to be an issue.
Entry 300-2667397-0 file 690037633 has been scanned Monday,
Tuesday and Wednesday using a manual coversheet.

The documents are not appearing and file was invoiced on 2/21 Friday.

The invoice is going to go to the customers FTP without backup.
We have several like this.

In addition many of our scans are showing Confidential and attached to the manual coversheet.
They are not splitting properly.

Please escalate this issue and let us know how to get these documents loaded into ISIS
since it is not working using the coversheet.

Solution
========
the file number 690037633 is using Entry number 300-26673979
there are documents scanned in the folder using the Manual CoverSheet as of today 26 Feb 2014
Batchname : 226201494329AM95676

60. Invoice & forms missing
==========
Please check file#'s 661007940, 661007923 and 661007926.
These files have cleared Customs and billed but the the forms and invoices are not in ISIS.

Solution
========
please provide the filer/entry number of these transactions which has the issues.

61. We didn't receive the ISIS U-Files for March 8, 2014.
==========

Solution
========
the load failed due to the bad file.
we will fix it and create the print.

62. change Mark Camerera's View
==========
Mark should have view for Team T in ISIS, please have this changed.

Solution
========
Developer Changed it from Team 06 to Team T

63. Just a question is the no image report not working ?
==========
it's been 4 days and i havn't seen any reports come up i'm not sure
because there's nothing that pops up other then interface I thought maybe it's not receiving updates.
Can you just take a quick look at it
thanks
Link
http://ecmipm_01/ReportApp/Report

Solution
========
just select the date and press the green button.
everything is working fine. for today therer is no image report.

64. We didn't receive the ISIS U-Files for March 30, 2014.
==========

Solution
========
error for extract program from tsm01 to lois_tech <lois_tech@livingstonintl.com>
----------CMBException ----------.

Message: com.ibm.mm.beans.CMBItemNotExistException:
The item does not exist. It was either deleted from
the server or never existed on the server.

65. Not all entries scanned yesterday are in today.
Was there an indexing issue last night.
==========

Solution
========
please try again. the Alliance was delayed yesterday.

66. copy of raw data requested
==========
Please provide a copy of one of the latest eink files received for Acco client 351325 Vendor txt0112

Requried to verify regarding pars number inclusion.

Solution
========
Hi Andraw,
the EDI group will look into it.

67. copy of raw data requested
==========
Please provide a copy of the following file from Mohawk client 135891
Vendor 900036
Filename: ECMHR64023_635362004534864456
Received in the last 2 days.

required to verify error.
The following file was received and detail line(s) are not complete

Solution
========
the tech support team will look into it.

68. Can you please add user Stephanie Desrosiers to the following worklists;
Team 38229 CLVS
Team 49625 CLVS
Team 88219 CLVS

Solution
========
the developer WIRED team will work on it.

69. Livingston Invoice
==========
I need to print the Livingston Invoice Suffix C billed on 05-09-2014
for file#164223660 entry#300-2592806-9. i look for it in ISIS but it is not there.

solution
========
this invoice is not existed in the system.
please check with the source when they release to ISIS.

70. QUALITY OF DOCS WHEN IMPORTING IS POOR
==========
IMPORTED DOCS FOR 10827-168984414 AND THEY SHOWED UP CLEAR UNTIL
THEY CONVERTED AND THEN WERE ILLEGIBLE.

THEREFORE HAD TO SCAN THE DOCS INSTEAD, WHICH WAS CLEAR. PLEASE ADVISE.

Solution
========
Tried as Tiff and JPEG, didn’t work.

when the source file is bad or with background color.
then the conversion result will not be good.
so just scan it using the MFU.

71. i have notice all day that files going into the wip have been a hour behind
on the times. I dont know if the time are just wrong or the paperwork

taking a extra hour to go through the system to ISIS.

example, right now its 14:53 est. this is the earliest entry in isis

entry 300-11272100 time 13:31 est. there is no other shipment after this time.
==========

Solution
========
Developer will take a look

72. I have a file thats needs to be update, I've attached two attachments,
one from Locus that shows the file is in "Entered status",
one attachment from Lois and the status show "B" but there is no LII invoice.

This invoice is from 2013 and needs to be updated ASAP.

Transaction 10827139680290
client 360520/020
invoice 403-310301

Solution
========
From Brokerage (Brokerage Application Development)
User will have to get in touch with the team. this invoice has too many billing codes
on it and that is why is will not update and print to LOIS.

the team will have to remove some of the billing codes.
only a max of 13 billing codes are allowed including any comment lines.

73. Client requesting document, yet will not come up in ISIS
==========
Client needs the Customs commercial invoice from 30015542334 (not the Livigingston bill).
A request for this was sent via ticket 00887768 but we were only provided
the Livingston invoice, which is not what was needed.

Is there a way to get the customs commercial proforma invoice out of ISIS to provide to client?

Solution
========
regarding this transaction 30015542334, there are 2 CM images and 2 OD documents
inside the folder.

we are able to view 1 CM image (Y) but not able to vew the (N) for some reasons.
may be it was bad at the beginning. for the down below OD documents, we are able to view it.
it means we are not able to view the 'N' image of CM.

Error msg received: "There was an error opening the document. Unable to open the selected document"

74. Revised 7501 isn't in ISIS
==========
Can you review why the revised 7501 done on 10/1 and the 2nd bill are not showing in ISIS?
690043569.
the new duty amuont is $208.46.
Usually we will see a second sequence on 7501 and invoice with credit.

Solution
========
i do not see the second 7501 in OD database, plese have alliance team to push ove new 7501.

Assign to System Admin team

75. IPRO issue:
==========

Unable to search the following:

Search us current:

30042347498

30052347266
30052347282
30052347365
30052347381
==========
User is able to search other invoices other than these

Solution
========
We have the entire invoice except the first one.

300 42347498

76. iPRO ISSUES I can't add notes edit attributes
==========
http://isis/eclient_wf_cluster/IDMWorkFlowServlet?wfaction=7&wl=Team+07+2nd+Step&u=&referrer=/IDMWorkLists.jsp&JSPout=/IDMSearchFrame.jsp&refresh=true

when I go into an entry to add notes it shows I have it checked out, and gives a error message " in use by another user" but shows my name. Then still move forward and try to add notes and it shows ERROR screen pops up

77. Non-Tiff items not importing to IPro
==========
Just noticed that any .pdf and .rtf files I imported to IPro yesterday were not present today using the Import non-tiff funtion. Has anyone else reported this issue?

78. files in Lois
==========
we are having issues when we do a pars shipment and place file in R or A and the shipment goes in bond once the carrier faxes and/or emails the bonded manifest to Livingston the file is suppose to automatically go back in N status this is not happening
we do not know the shipment has bonded until the carrier calls us
one example is transaction 10827659960704 over the pass few months I have had several complaints about this...

Solution
========
Hi Trudy,

Here are the rules for status change and restart workflow :

1) If current folder status = N or H or J or A or D the status will be changed to N and workflow restarted.
2) If current folder status = R the status will be changed to H and workflow will NOT be restarted
3) If current folder status = B the status will NOT be changed and workflow will NOT be restarted

Thank you

Claudio

79. Reprint Summary Report for 142380/070
==========
Hi Bob, could you please reprint the invocies for account number 142380/070 (account caption 070 only). The summury report # is 363 (the invoices are dated from 2014/10/13 to 2014/10/19). Thanks,

Please assign this log to Bob Chong

80. the entry number generator in IPro is not working for importation on a new file.
==========
the entry number generator was designed by SIA

i do not know where the error log is

Bob Chong to contact SIA and find out where the error log is and we will investigate what the issue is.

Bob: the server q9bdb011 is not responding. please check

q9bdb011 is decommissioned year ago

Here is the DB server connection info:
sqlServer.host=q9bdb011
sqlServer.port=1433
sqlServer.dbServer=uskofax
sqlServer.user=kofaxuser
sqlServer.pwd=kofax123

Thanks

Claudio

Hi Gagan,

We need to take 1 minute iPro eclient outage at 00:00hrs Saturday midnight, Nov 1.
This is to fix the auto entry number generation issue on import item.
Please confirm and let me know if any concerns.

Thanks.