IBM CM System 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.

HACMP

HACMP

HACMP

*LPAR #A5*

*Hostname: tsm01/ecm09*

*LPAR #A4*

*Hostname: icm01/ecm07*

*LPAR #A3*

*Hostname: was01/ecm05*

IBM WebSphere

Application Server

eClient

ICMRM

*LPAR #A2*

*Hostname: ihs01/ecm03*

IBM HTTP

Server

*LPAR #A1*

*Hostname: wes01/ecm01*

Edge Server

Loader Balance

(Standby)

**

*LPAR #A6*

*Hostname: ecm11*

LIBRARY SERVER

TSM(lois)

CMOD

TSM(isis)

**

DB2/icmnlsdb

DB2/archive

*LPAR #B6*

*Hostname: ecm12*

*LPAR #B5*

*Hostname: ipm02/ecm10*

*LPAR #B4*

*Hostname: icm02/ecm08*

*LPAR #B2*

*Hostname: ihs02/ecm04*

IBM HTTP

Server

*LPAR #B1*

*Hostname: wes02/ecm02*

Edge Server

Loader Balance

(Active)

*LPAR #B3*

*Hostname: was02/ecm06*

IBM WebSphere

Application Server

eClient

ICMRM

RESOURCE MANAGER

User Query

NIM MASTER

**

DB2/rmdb

DB2/usrqry

*Figure 1-1LOIS & ISIS Application System Topology*

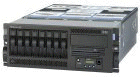
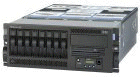
## Application System Architecture

**IBM Power6 570 System A**

**Model 9117-MMA**

**IBM Power6 570 System B**

**Model 9117-MMA**



**LAN**

**Hypervisor**

**Hypervisor**

*LPAR #B1*

IBM Edge Server

Loader Balance 02 (Active)

*LPAR #A1*

IBM Edge Server

Loader Balance 01 (Standby)

*LPAR #A3*

IBM WebSphere

Application Server 01

*LPAR #A4*

Library Server

DB2

*LPAR #A2*

IBM HTTP Server 01

*LPAR #B3*

IBM WebSphere

Application Server 02

*LPAR #B4*

Resource Manager

DB2

*LPAR #B2*

IBM HTTP Server 02

*HACMP*

*HACMP*

*LPAR #A5*

TSM/CMOD

DB2

*LPAR #B5*

USER Query

DB2

*HACMP*

*LPAR #A6*

TSM

*LPAR #B6*

NIM Master

SAN

*http://www-03.ibm.com/systems/resources/systems_storage_san48b_5_400x81.jpghttp://www-03.ibm.com/systems/resources/systems_storage_san48b_5_400x81.jpg*

****

**IBM DS4800**

**IBM Tape Library**

*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 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** 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 | **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** 02-00 2-Port 10/100/1000 Base-TX PCI-X 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 | **LAN:**  **ent0** Logical Host Ethernet Port (lp-hea)  **ent1** Logical Host 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 |  |  |
|  | ~~root~~ |  |  |
| CM | icmadmin |  |  |
| CM | rmadmin |  |  |
|  | icmconct |  |  |
|  | ibmcmadm |  |  |
| CMOD | admin |  |  |
| DB2 admin | dasusr1 |  |  |
| DB2 | db2inst1 |  | Database name:  lms/admsrv1: icmnlsdb  lois/icm01: icmnlsdb  lois/tsm01: archive(root:icm833)  isis/ecm07: icmnlsdb  isis/ecm09: |
| DB2 | db2inst2 |  | Database name:  lms/admsrv1: rmdb  lois/icm02: rmdb  lois/ipm02: usrqry  isis/ecm08: rmdb |
| AIX | rns |  |  |
| AIX | isisftp |  |  |
| ~~AIX~~ | ~~root~~ |  |  |
|  |  |  |  |
| IBM WAS | wasadmin |  | Security disenabled |
| App | rns |  |  |
| App | isisftp |  |  |
| TSM | tsmtape |  |  |
| ~~TSM~~ | ~~admin~~ |  |  |
| TSM node | db2bkup |  |  |
|  |  |  |  |
| Tape Library | operator panel |  |  |
|  |  |  |  |
| ~~Tape Library RMU~~ | ~~admin~~ |  | ~~192.168.103.218~~ |
|  |  |  |  |
| ~~SAN switchs~~ | ~~admin~~ |  | ~~192.168.103.216~~ |
|  |  |  | ~~192.168.103.217~~ |
|  |  |  |  |
| ~~SAN Controllers~~ | ~~N/A~~ |  | ~~192.168.103.214~~ |
|  |  |  | ~~192.168.103.215~~ |
|  |  |  |  |

## OS level administration

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

## HACMP administration

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Directory | Description | Output & Logs |
| starttsm01\_app.ksh | /lois/hacmp/bin | Setup system tsm01 running environment.   * run starttsm01.ksh | /lois/tsm01/bin/starttsm01.trc |
| stoptsm01\_app.ksh | /lois/hacmp/bin | Shutdown system tsm01 running environment.   * run stoptsm01.ksh | /lois/tsm01/bin/stoptsm01.trc |
| startipm02\_app.ksh | /lois/hacmp/bin | setup system ipm02 running environment   * run startipm02.ksh | /lois/tsm01/bin/startipm02.trc |
| stopipm02\_app.ksh | /lois/hacmp/bin | Shutdown system ipm02 running environment.   * run stopipm02.ksh | /lois/tsm01/bin/startipm02.trc |
|  |  |  |  |

## DB2 administration

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Directory | Description | Output & Logs |
| 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 |
| ddl.ksh | /lois/db2mgmt/db2cfg | Extracts DDL statements to reproduce the database ‘archive’ objects | ddl.log.$timestamp |
| stt.ksh | /lois/db2mgmt/db2cfg | Generates the UPDATE statements that are required to replicate the statistics on tables, statistical views, columns, and indexes. | stt.log.$timestamp |
| odreorgchk.ksh | /lois/db2mgmt/reorgchk | Reorganizes ‘od’ tables or indexes for better performance | ./odreorgchk.log.`date +%Y%m%d` |
| 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 |
| db2snapshot.ksh | /lois/ db2mgmt/snapshot | provides information on database connections, performance, errors and throughput of SQL requests | ./od.$timestamp |
| odstats.ksh | /lois/db2stats/archive  /lois/db2stats/archive/V95 | Runstats on DB archive | ./rmstats.out |
| xtabsys.ksh | /lois/db2stats/archive  /lois/db2stats/archive/V95 | Reorganizes sys table or an index for better performance | ./xtabusr.log |
| xtabusr.ksh | /lois/db2stats/archive  /lois/db2stats/archive/V95 | Reorganizes user table or an index for better performance | ./icm02.db2rm.out |
| recovebkup.ksh | /lois/cleanupdb2/deldb2 | Query db archive backup images and logs from TSM | ./recovebkup.out.$timestamp |
| deletebkup.ksh | /lois/cleanupdb2/deldb2 | Delete full keep 10 db archive backup images and logs from TSM | ./deletebkup.out.$timestamp |
| bkupod.ksh | /db2bkupod/backupdb | db2 backup db archive online compress include logs |  |
| bkupod.ksh | /db2bkupod/backupfs | Back db2 filesystems   * /home/db2inst1 * /home/db2fenc1 * /db2logod * /arsdb * /arsdb\_primarylog * /arsdb\_archivelog | ./\*.$bkupdate.out |

## TSM administration

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Directory | Description | Output & Logs |
| 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 |
| startserver | /lois/tsmfiles/bin | Shell script to start a TSM server |  |
| stopserver | /lois/tsmfiles/bin | Shell script to stop a TSM server |  |
| tsm01.db2od.ksh | /lois/drptsm01/querydb | Query db archive backup images and logs from TSM | ./tsm01.db2od.out |
| 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 |
|  |  |  |  |

## Application administration

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Directory | Description | Output & Logs |
| billing00.ksh | /lois/billing/bin | Run /arsinv/billingapps/LIprinting/printEndOfDay.sh (java com/livingston/print/ExceptionReport) | /lois/billing/log/billing00.log |
| 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 |
| 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  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 |
| billing04.ksh | /lois/billing/bin | Run /arsinv/billingapps/LIprinting/updateIndex.sh  (java com/livingston/indexupdate/ItemAttributeUpdate) | logFile=/lois/billing/log/billing04.log |
| 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 |
| replayidx.ksh | /lois/billing/bin | Run /arsinv/billingapps/LIprinting/updateIndex.sh (java com/livingston/indexupdate/ItemAttributeUpdate) | logFile=/lois/billing/log/replayidx.out |
| 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" "$5") | logFile=/lois/billing/log/reprinted.log |
| alertprint.ksh | /lois/xlois.alertprint | Urgent: Billing process is too long | ./alertprint.out |
| alertsockd.ksh | /lois/xlois.alertsockd | psList=$(ps -ef | grep "arssockd" | grep "UNKNOWN" | grep -v grep | awk '{ pri  nt $2 }')  kill $psList | ./alertsockd.out |
| migrateod.ksh | /lois/xlois.migrateod | cd /usr/lpp/ars/bin  ./arsmaint -cdeimrsv | logFile=/lois/xlois.migrateod/log/migrateod.log |
| migrateod1.ksh | /lois/xlois.migrateod | cd /usr/lpp/ars/bin  ./arsmaint -dei | logFile=/lois/xlois.migrateod/log/migrateod1.log |
| migrateod2.ksh | /lois/xlois.migrateod | cd /usr/lpp/ars/bin  ./arsmaint -cmrsv | logFile=/lois/xlois.migrateod2/log/migrateod1.log |
| 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 |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Hostname | Script Name | Discription | Log |
| 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 |  |
| 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 |  |
| 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 |
| 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 |
| 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 |
| sysbkup.ksh | system backup using mksysb | /opsmgr/log/sysbkupLog |
| watchDog.ksh | monitor the Imaging Server environments | msgLog=/opsmgr/log/monitorLog/watchDog.log |
| 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 |
| billing02.ksh | # call loadLIdocs.sh script # call printLIdocs1.sh script | logFile=/usr/local/billing/log/billing02.log |
| billing03.ksh | # call loadLIdocs.sh script | logFile=/usr/local/billing/log/billing03.log |
| 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 |
| 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 |
| alertDog.ksh | monitor the errpt message | opsmgr/log/monitorLog/alertDog.log |
| 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 |
| sysbkup.ksh | system backup using mksysb | /opsmgr/log/sysbkupLog |
| watchDog.ksh | monitor the Imaging Server environments | msgLog=/opsmgr/log/monitorLog/watchDog.log |
| 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 |
| billing01.ksh | # call loadLIdocs.sh script # call printLIdocs1.01.sh script | logFile=/lois/billing/log/billing01.log |
| billing02.ksh | # call loadLIdocs.sh script # call printLIdocs1.02.sh Y script | logFile=/lois/billing/log/billing02.log |
| billing03.ksh | # call loadLIB3docs.sh | logFile=/lois/billing/log/billing03.log |
| billing04.ksh | # call updateIndex.sh | logFile=/lois/billing/log/billing04.log |
| billing05.ksh | # call docConvert.sh | logFile=/lois/billing/log/billing05.log |
| 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 |
| replayindx.ksh | # call updateIndex.sh | logFile=/lois/billing/log/replayidx.log |
| reprinted.ksh | # call reprintLIdocs.sh | logFile=/lois/billing/log/reprinted.log |
| 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 |
| 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 |
| alertDog.ksh | monitor the errpt message | opsmgr/log/monitorLog/alertDog.log |
| 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 |
| sysbkup.ksh | system backup using mksysb | /opsmgr/log/sysbkupLog |
| watchDog.ksh | monitor the Imaging Server environments | msgLog=/opsmgr/log/monitorLog/watchDog.log |
| planexp.awk | extract the TSM drp file |  |
| alertprint.ksh | Warning too long print process list |  |
| 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 |
| migrateod2.ksh | # call arsmaint -cmrsv |
| tsmtape.ksh | TSM tape Library (tapes) management | logpath=/home/tsmopr/logs/logs |
| 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 |