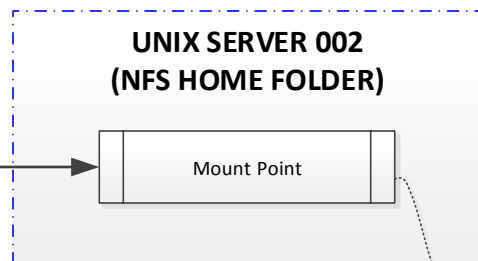
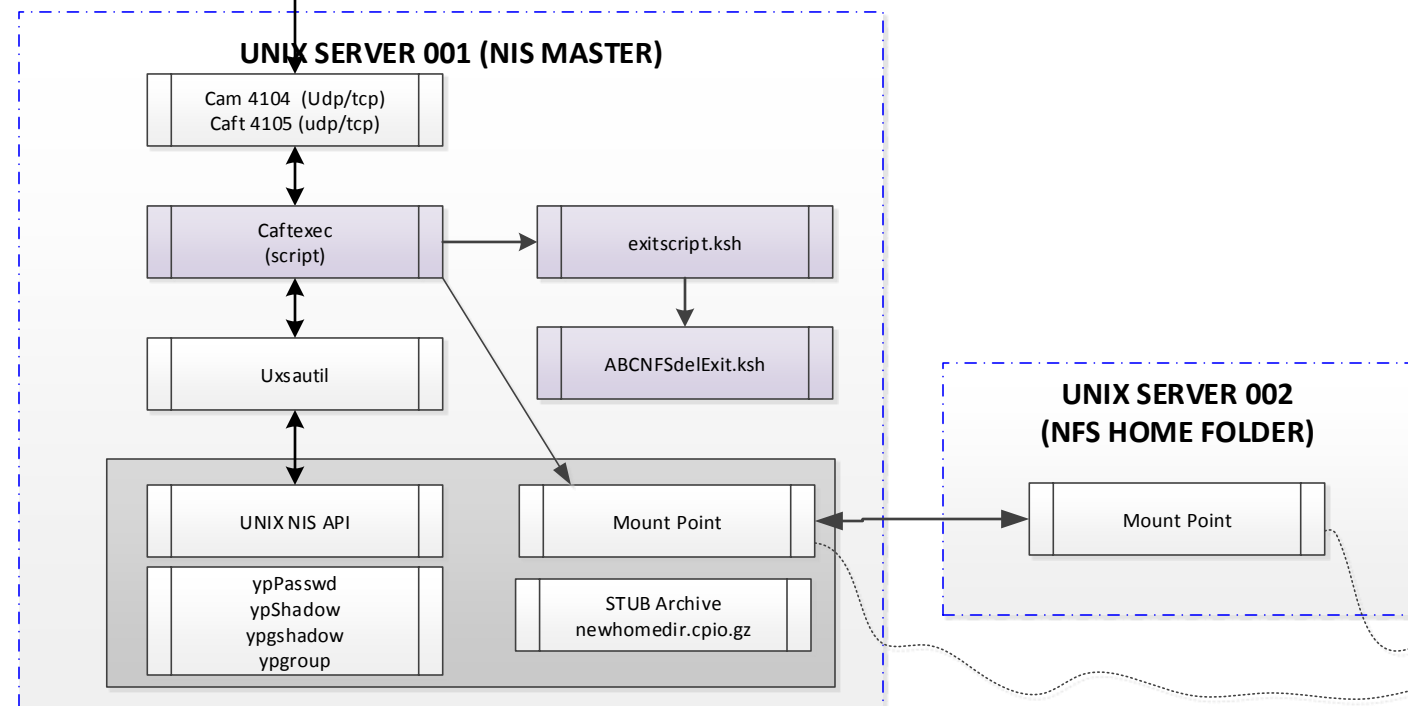


- `%IMPS%\log\im_ps.log` IM Provisioning Log; minimal use until debugging is required & enabled
- `%IMPS%\log\etatrans.date.log` IM Transaction Log (typically set to level=7; may be reduced to level 3 to reduce I/O)

- %IMPS%\log\satrans.date.log SuperAgent Transaction Log creation/modify log

- %CAM%\ftlogs CAFT Logs; Minimal use unless debugging
- %CAM%\logs CAM logs; Minimal use unless debugging is enabled to identify issue with communication or encryption



- %CAM%\ftlogs      CAFT Logs; Minimal use unless debugging
- %CAM%\logs        CAM logs: Minimal use unless debugging is enabled to identify issue with communication or encryption

- Insert echo "\$@" >> /tmp/output.txt after the line /bin/sh -c "\$@"

1. **caftexex** (Primary exit script - CA supported, ABC modified).
2. **exitscript.ksh** (ABC created; not CA Supported)
3. **ABCNFSdelExit.ksh** (ABC created; not CA supported)

- UNIX Syslog - Minimal use unless debugging
- Backup files - yppasswd; ypgroup-; ypshadow-; ypgshadow-

```
Assuming automount map in /etc/auto_master of
# /net      -hosts -nobrowse,nosuid
LOCAL_MOUNT=/net/${HOST}/${MOUNT_PATH}
```

```
If Use-Case = New
a.      Perform script code to identify "Service/Group/Special" accounts and
replace password with "NP". (exitscript.ksh)
b.      Execute ABC procedure code to create NFS Home Folder
(ABCNFSAdd)

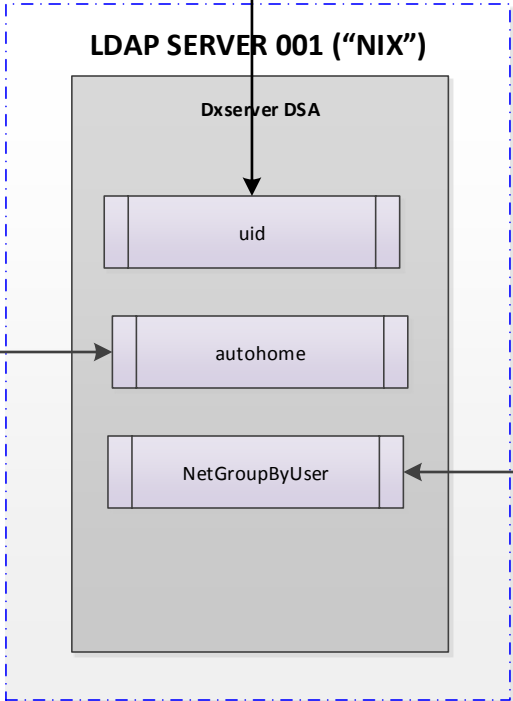
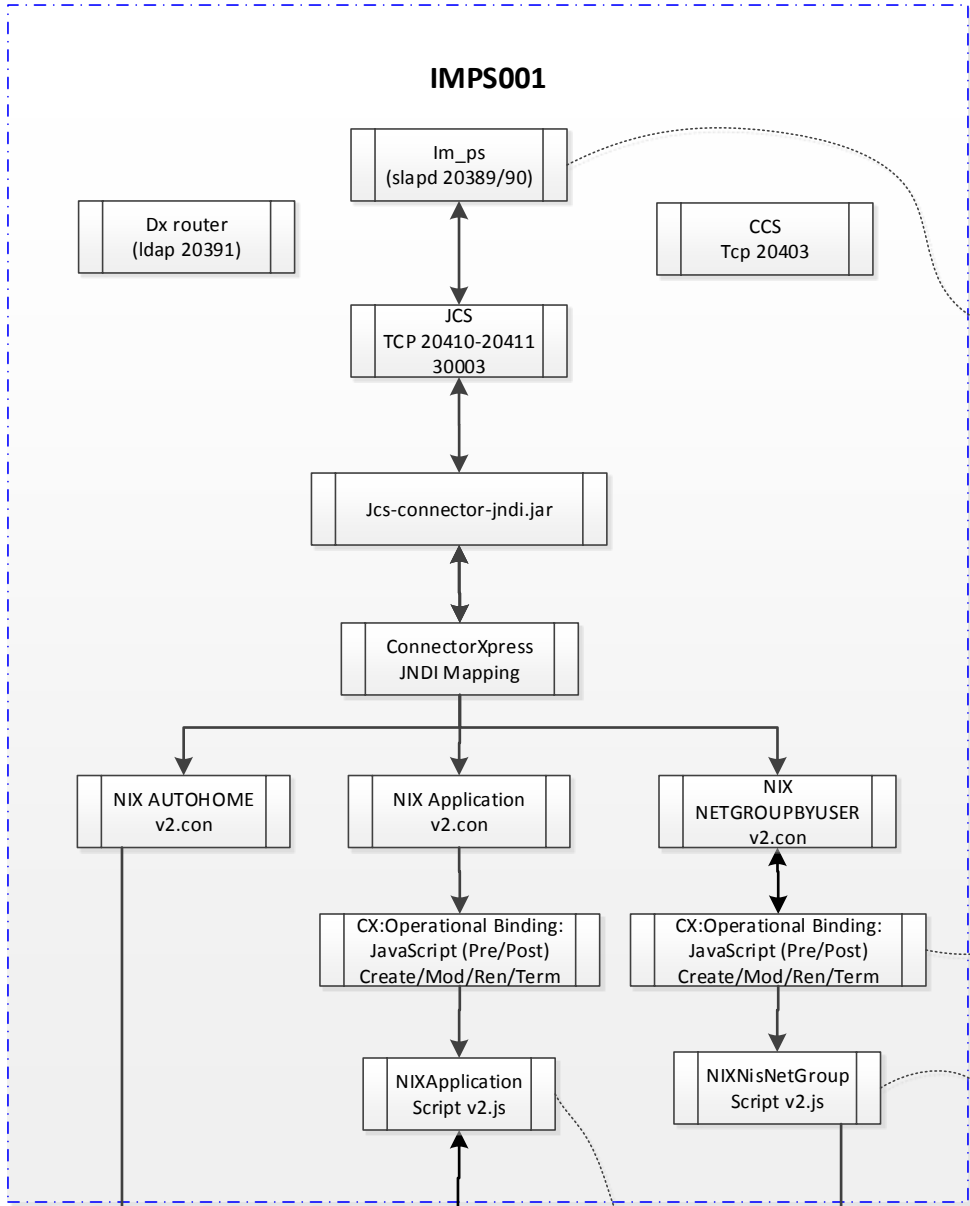
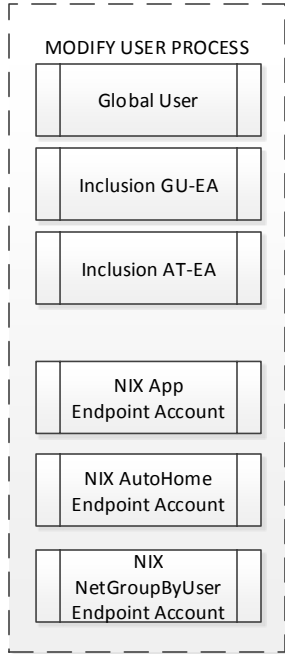
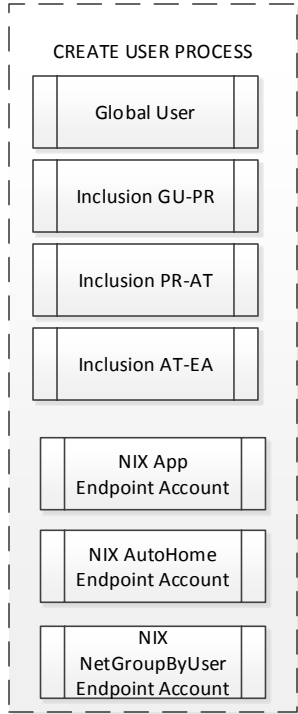
If Use-Case = Update Password
a.      Perform CA GSE script code to identify "Service/Group/Special" accounts
and replace password with "NP". (exitscript.ksh)

If Use-Case = Delete
a.      Execute ABC script code to remove (or other operations) the user-s NFS
Home Folder (ABCNFSdelExit) Clean up Task and Temporary Files
Wait Process to ensure all scripts completed are completed {Impact if delay is
larger than 60 seconds, then the default cam timeout should be raised accordingly
60 seconds in the IMPS server on the NIS connector page}
```

Used to manage “group/shared” accounts & requirements.

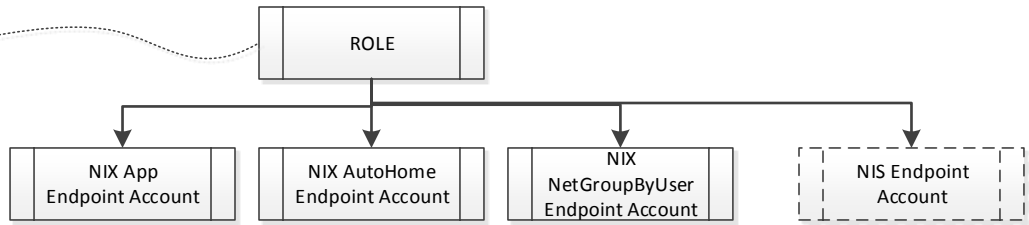
```
LOGFILE=/tmp/.tmp.`basename $0`  
echo $@ > ${LOGFILE}  
rm ${LOGFILE}
```

```
Assuming automount map in /etc/auto_master of
# /net      -hosts -nobrowse,nosuid
LOCAL_MOUNT=/net/${HOST}/${MOUNT_PATH}
```



Communication from the IMPS Server to the "NIX" LDAP via ConnectorXpress JNDI & Log Locations

- %IMPS%\log\im\_ps.log IM Provisioning Log; minimal use until debugging is required & enabled
- %IMPS%\log\etatrans.date.log IM Transaction Log (typically set to level=7; may be reduced to level 3 to reduce I/O)



- %IMJCS%\log\jcs.date.log JCS Transaction Log creation/modify log

Operational Bindings Overview

The beauty of the operational binding architecture is the interfaces that it exposes to the developer. A developer/admin can efficiently and effectively take any existing Connector Xpress template and replace the functions for add, modify, delete, and move without having to develop a full blown connector from scratch!

Operational bindings can be used before, after or instead of the following connector specific operations on an endpoint:

- o doAdd – Adding an account to the endpoint
- o doModify – Modifying an existing account on an endpoint (except for changing the RN)
- o doModifyRN – Modifies the RN on the endpoint
- o doMove – Move account information from one container to another on the same endpoint.
- o doDelete – Delete an account on the endpoint

Operational bindings can be created using JavaScript only

- o The fact that Operational Bindings can only be written in JavaScript is the single limiting factor in this architecture. This is mitigated in part by the vast Java community and the availability of source code and packages that can interface with just about anything

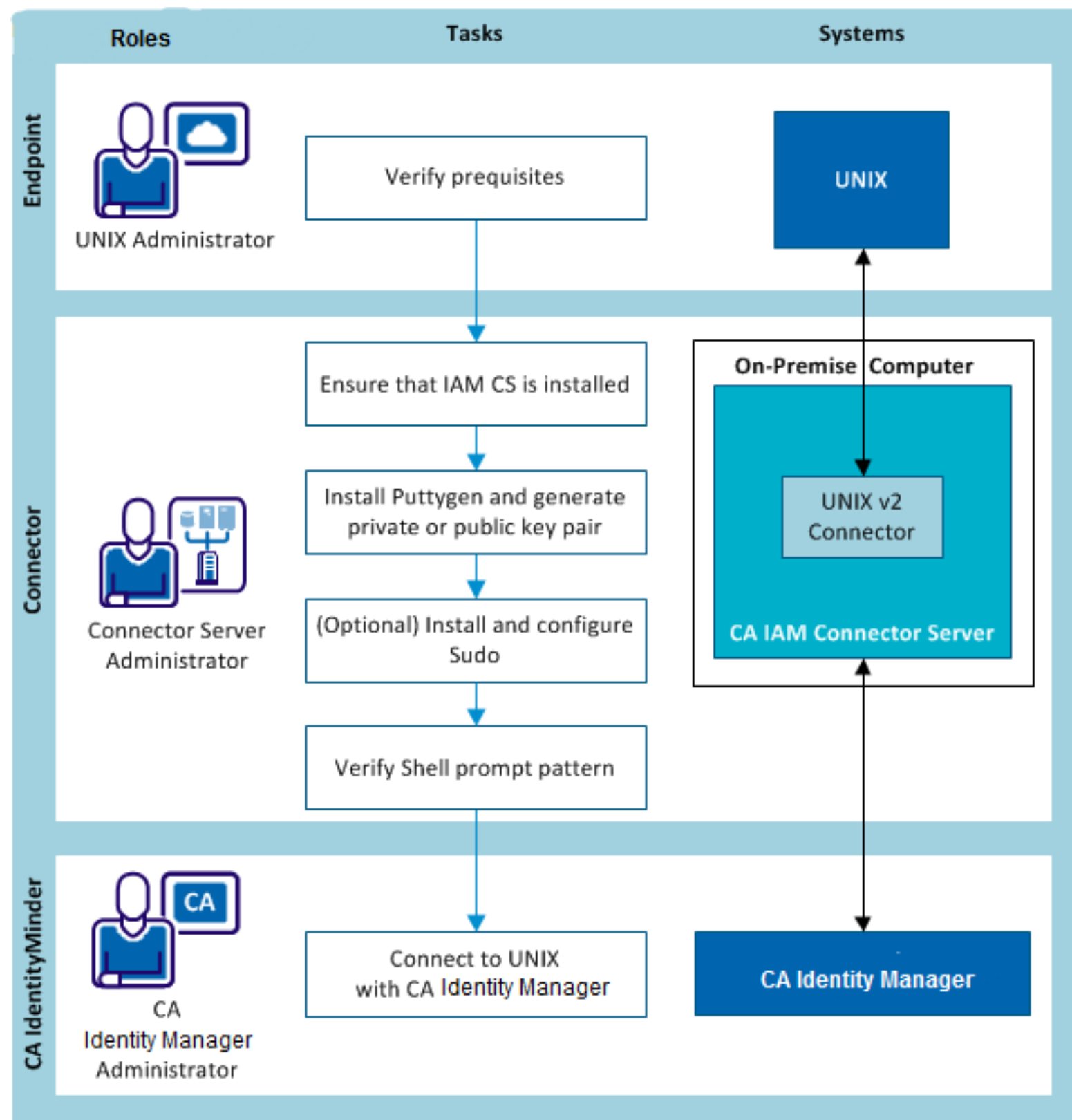
Operational Bindings General Notes and Recommendations

Use Connector Xpress to generate the base metadata and jar files needed for a custom connector. Avoid creating a connector from scratch, as this is a very tedious and complicated process.

To manage 'nisMapEntry' attribute by altering default functionality

changing membership uid value into (,uid,) pattern  
set 'shadowLastChange' attribute  
Group Name for a UNIX Primary Group  
GID from Group Name

- %dxserver%\logs\dsa\_alarm.log
- %dxserver%\logs\dsa\_trace.log
- %dxserver%\logs\dsa\_warn\_{date}.log
- %dxserver%\logs\dsa\_{date}.log
- %dxserver%\logs\dsa\_diag\_{date}.log
- %dxserver%\logs\dsa\_stats\_{date}.log
- %dxserver%\logs\dsa\_time\_{date}.log



See this reference link for AGENTLESS connector using putty/sshd

<https://wiki.ca.com/display/IMGC10/UNIX+v2+Connector>

Verify the Prerequisites

UNIX/Linux administrator tasks:

1. Ensure that SSH and the Sudo package installed and enabled in the UNIX endpoint.
  2. Service account on UNIX has permissions (if not using root).
- Note: To allow a non-root user to have root permissions, must install Sudo and configure the /etc/sudoers file.

IM Solution Effort/tasks:

1. Ensure that CA IAM Connector Server is installed. (IAMCS/CCS)
2. Install Puttygen and generate private or public key pair.
3. (Optional) Install and configure Sudo. (Test with service account.)
4. Verify the Shell Prompt pattern. (Test with putty)
5. The CA Identity Manager administrator connects CA Identity Manager to the UNIX endpoint.