Project Plan

CUSTOMER NAME:
CONTACT:
PROJECT TITLE:
DATE TO BE DONE:
AUTHOR:
DATE SUBMITTED:

OVERVIEW –

UniVision binary upgrade for SVR4,Unixware 7 and Linux.

PRE-REQUISITES –

2 verified file-saves to be completed prior to upgrade.

EQUIPMENT LIST –

Old UniVision media
New UniVision media

DETAILS –

1. Ensure Customer has taken 2 verified file-saves.

2. Ensure all media is on site as per on site documentation media listing.

3. Ensure customer has shut down all Processes, including all Background Processes and that all processes are logged out and quit from UniVision. Use LISTPRO W to establish this, if any processes are still logged in they will be displayed, ask the customer to logoff and quit any processes displayed. If all processes are logged off then only the process that the LISTPRO W is being executed from will be displayed.

4. Change univ password (to stop users logging in during upgrade)
   To do this enter the following from root:

passwd univ
New password: **<enter new password>**
Re-enter new password: **<re-enter new password>**

N.B. univ is used as the UniVision user in this example, if different substitute as appropriate.

4a. Make a note of the Univision installation path by performing the following from UCL.

>**!pwd**

This will produce an output similar to the following, this output is the home path for this Univision installation.

e.g. /unistore1/edp

5. Obtain a print of T-STATUS, in order to verify that the tape drive order is retained. To do this first use SP-ASSIGN to select an available printer then enter the following from UCL.

>**T-STATUS (P**

6. Ensure no prints are in progress. To do this enter the following from root:

#lpstat –o

If there are prints in progress they will be displayed.

e.g. # lpstat -o
test1-58402 edp 184 May 19 10:47:36

Establish which printers are in progress, ensure they are printing and either wait for them to complete or with the customers permission cancel them by using the following command with the relevant print job request number:

e.g. #cancel test1-58402

Re-execute an lpstat –o to ensure all prints are now complete or cancelled.

7. Run latest MAININFO Script and print output from /tmp (systeminfo) To do this carry out the following:

Insert the TAR formatted diskette with the maininfo script, into the diskette drive on the server.

Log in as the root user and from the root prompt enter the following commands:

 # mkdir systeminfo

 # cd systeminfo

From within the new directory enter the following:

 # tar -vtf /dev/rdsk/f0t

This will verify the TAR file located on the diskette

 # tar –xvf /dev/rdsk/f0t

This will extract the contents of the diskette and then return to the root prompt.

At the root prompt enter:

a) # **chmod 777 maininfo**

b) # **sh maininfo**

The script has now been run and the resulting file created, which is located in **/tmp**, called **systeminfo.html**.

Rename the file and TAR it back to the diskette. Use the following commands to do so:

 # cd /tmp

 # mv systeminfo.html <customername>.html

Remove the original diskette and insert a blank diskette. Perform the following:

 # tar –cvf /dev/rdsk/f0t <customername>.html

The maininfo is then printed and along with a copy on a diskette, this remains on-site.

8. Mount the UniVision CD. To do this enter the following from root once the CD is inserted into the CD drive.

   #**mount –F cdfs –o ro /dev/cdrom/cdrom1 /mnt** (for SVR4 and Unixware 7)
   #**mount /mnt/cdrom** (for Linux)

10. Install the new Univision package, to do this enter the following from root:

    #**pkgadd –d /mnt/ncr univision** (for svr4)
    #**pkgadd –d /mnt/sco univision** (for unixware 7)
    #**rpm –i --force --prefix $home /mnt/cdrom/linux/UniVision*xx*** (for linux)
    (*Where $home is the Univision installation path noted earlier in option 4 and* ***xx*** *is the version number of UniVision****).***

    When prompted for installation path. Enter the UniVision home directory
    e.g /unistore1/univ
    (This was noted earlier in option 4).

    Choose the **U** option, to upgrade.

    N to configure registry.

    Y to re-link kernel.

    Once complete reboot the machine using the following:

    #shutdown –y –i6 –g0

    Login to UV. (If prompted for password, enter OBJECTWARE).
    When prompted setup the tapes by inputting the relevant capitalised letter relevant to the device type. The screen display will be similar to below, once a letter is entered the cursor will reposition at the next device, once all devices are entered input <esc> to [proceed].

    LINUX Device Names Type Default B/S [Description] Page : 1 of 1

    /dev/fd0H720 1.44MB Low Density (720K)
    /dev/nst0 Tape "Wangdat Model 3400D

Enter Device Type [Q]uarter Inch, [F]loppy, [H]alf Inch, [E]8mm, [D]at, d[L]t, [T]ravan, [C]dRmo, lt[O]

Press (space) to Delete, or (Esc) to Finish :

11. Once at LOGON, Logon as Sysprog and choose the UPGRADE ACCOUNTS option from the SYSPROG menu. (Option 4).

    Enter ALL for all accounts.

    Enter NO to recompile

    Enter YES to continue with list.

    Once complete exit the menu and access UCL.

12. Check that the tape drive LTU numbers remain the same as before the upgrade.

    To do this enter the following from UCL

    >**T-STATUS**

    This will display a similar listing to the following:

```
LTU  Drive   ATT    Format
0 F0        HIGH DENSIT  High Density (1.44M)   /dev/fd0H1440
1 D0                     "Wangdat Model 3400DX" /dev/nst0
2 FVT                    Virtual Tape Drive     ./VTape01.vfd
3 FVT                    (D3 Pick) Pseudo Tape  ./VTape02.vtd
4 UVT                    UniVision VTape        ./UVTape00
AUTOSAVE UVT             UniVision VTape        ./UVTape00
```

    Compare this to the T-STATUS listing obtained earlier.

    If they are different change back to the original order using the following command:

    > **SET-TAPE <device number> <LTU number>**

e.g. >**SET-TAPE 4, F0**

Execute this command as many times as is required to get the tape drives in the correct order.

N.B. It may be necessary to move a tape drive to a non-existent LTU number in order to complete the task.

13. Check the emulation settings by performing the following from UCL:
>DEFINE-CURSOR

This will display something similar to the following:

UniVision System Terminal Cross Reference Utility

A maximum of 52 terminal types are allowed & those selected are shown below.

The terminal name must follow the system conventions for "terminfo" device names & exist in the "/usr/share/terminfo/?" directory.

A:at386	N:nutc	a:AT386	n:nutc
B:at386-m	O:	b:AT386-M	o:
C:at386-ie	P:hp2621a	c:AT386-ie	p:via-prism
D:dterm	Q:uvwyse50	d:via-cifer	q:via-qume
E:dtterm	R:	e:via-esprit	r:via-regent
F:	S:ansi	f:	s:ANSI
G:	T:tec	g:	t:
H:	U:viewpoint	h:hft	u:
I:UVibmpc	V:viewpoint5	i:ibm3151	v:viewpoint132
J:UVvt100	W:viewpoint132	j:vt100	w:via-wyse60
K:linux	X:wyse160	k:vt200	x:
L:lft	Y:	l:via-vt52	y:
M:ampex	Z:xterm	m:	z:

Enter the Terminal Cross Reference Letter if changes required or 0 to exit.

Enter Selection (A-Z, a-z, 0) :-

Compare the letters and terminal definitions to those recorded in the termxref listing obtained in the MAININFO.

If there are differences then amend to the original settings by carrying out the following for the relevant cross reference letters.

N.B. The letter m is used in the following example

Enter Selection (A-Z, a-z, 0) :

You are about to change the Cross Reference Name for Letter "m".

Is this correct? (Y/N) :- **y**

Enter the Terminal Name (14 characters max or # to delete it) :- viewpoint

You are changing the Cross Reference Name for Letter "m" to "viewpoint".

Is this correct? (Y/N) :- **y**

The "termxref" file has been successfully changed.

Press any key to return to the menu.

14. Licence UniVision using by carrying out the following from UCL:

>**!Authorize**

This will display a screen similar to the following:

Authorisation codes:-

<1> 148444-2067-7000
<2> EDP Support
<3> 116-1A87
<4> 703-2166-694-2166520
<5> 101301
<6> 989632
<7>
<8>

Enter 'M' to modify or 'E' to exit:

Enter the licence information exactly as it appears on the Univision CD case. To do this enter the following:

Enter 'M' to modify or 'E' to exit: ***M***

Enter line to modified: ***<input line to be modified>***

Enter code: ***<input relevant licence code>***

Repeat this procedure until all the licencing information is entered as per the Univision CD case.

15. Ensure MAXUSERS is set correctly by typing the following from UCL:

    >**MAXUSERS 5000**
    [9218] Maximum number of users is now : 101

    This will set UniVision for the maximum permitted user licences for this installation. (In the above example 101). Check with the customer that sufficient licences are available.

16. Type the following on the system console from UCL to access the Univision administrator menu:

    >**:QUIT**

    The following menu will be displayed:

    Univision Setup
    Univision admin tools
    Univision tape utilities
    Enter Univision
    Exit

    Use the cursor keys to highlight the UniVision setup option type <cr> to access the Univision setup menu:

    The following menu will be displayed:

    UniVision SETUP MENU
    ---

    (0) Exit
    (1) Initial Parameter File Build
    (2) Maintain Process Records
    (3) Maintain Terminal Cross References
    (4) Maintain Device Name Specifications
    (5) Maintain Printer Records
    (6) Maintain Initial TERM Settings
    (7) Control Sub Menu
    (8) Display Process Status
    (9) Check For Unrelated UV's & SS's

(10) Maintain Process Size Limits
(11) Maintain Default Alternate Break Key Value
(12) Maintain External Spool File
(13) Maintain UniVision Network Parameters
(14) Maintain COM Port Parameters File (NT only)
(15) Maintain Timeout Parameters

Enter required option number :-

Take the following option to access the Process size limits options:

Enter required option number :-**10**

The following will be displayed:

```
********************************************************************************
WARNING: THE "univision/admin/default_process_size" FILE MUST ONLY
BE CHANGED WHEN UniVision IS NOT IN USE!
********************************************************************************
```

Do you wish to continue? (Y/N):

Enter the following to proceed:

Do you wish to continue? (Y/N):**Y**

The process size limits parameters will now bw displayed.
Check the settings displayed against the original process size limits recorded earlier by the MAININFO.

Process Size Limits:

<1> NormalProcessSize:700
<2> PrintersStartLine:0

Please wait while line quantities are checked ...
Line quantitites OK.

(E)xit (M)odify (S)how file :-

If the settings are lower than previously, then alter by carrying out the following:

(E)xit (M)odify (S)how file :-**M**

Enter <line> number of setting to modify :- **<Enter line to modify>**
Enter new setting :- **<Enter new setting>**

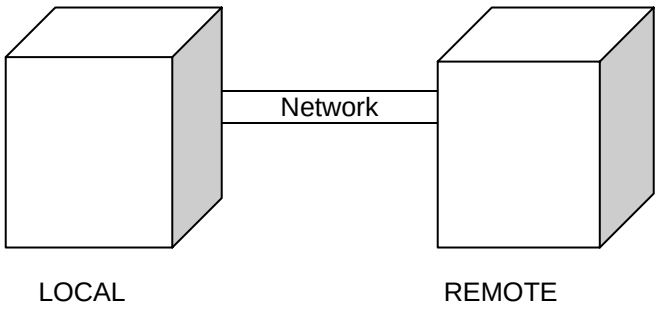
Repeat these steps if more than one setting needs to be amended.

On completion the Univision setup menu will again be displayed:

17. Ask the customer to check the functionality of their remote Univision links.

If they do not function correctly then carry out the following steps to reconfigure:

REMOTE UNVISION LINKS



CREATING A LISTENER PROCESS ON THE REMOTE SYSTEM

The first task is to create a UVListen process on the remote machine, this process will run in the back ground on the remote system waiting for a login session on the UniVision port (normally 2820).

The first thing to do is to login into UniVision on the remote machine and then enter the UVsetup menu. Upon entering the UVsetup menu you may receive a warning stating that there appears to be users in UniVision, enter Y to proceed to the menu.

$ UVsetup

Please wait ....

There appears to be 1 process(es) still logged-on to UniVision.

Do you still want to enter UVsetup? (y/n) :- y

Please wait ....

Once you have the setup menu in front of you select option “13”, Maintain Local/Remote UniVision Names.

UniVision SETUP MENU
----

(0) Exit
(1) Initial Parameter File Build
(2) Maintain Process Records
(3) Maintain Terminal Cross References
(4) Maintain Device Name Specifications
(5) Maintain Printer Records
(6) Maintain Initial TERM Settings
(7) Control Sub Menu
(8) Display Process Status
(9) Check For Unrelated UV's & SS's
(10) Maintain Process Size Limits
(11) Maintain Default Alternate Break Key Value
(12) Maintain External Spool File
(13) Maintain Local/Remote UniVision Names
(14) Maintain COM Port Parameters File (NT only)
(15) Maintain Timeout Parameters

Enter required option number :- 13

From the Maintain Local/Remote UniVision Names menu select “u” for UVRegistry.

Maintain Local/Remote UniVision Names

---------- Maintain ----------
(E)xit (I)dentity Name (R)emote Names (U)VRegistry :- u

Now select “S” for UVServiceRegistry. (*Extra option in UniVision 8.0.10*)

Maintain "UV(S)erviceRegistry" or "UV(C)lientRegistry"? (S/C) :-

If this is the first time that a UVRegistry has been created then the system will report that the registry file is empty and will then prompt you to select “a” to add.

The registry file is empty or does not exist.

(E)xit (A)dd :- a

For the Alias Name enter the UniVision user login on the remote system which in the example is “univ”.

Enter a unique Program Alias Name (ESC to exit):- univ

For the Program path and name enter the UniVision home path on the remote system followed by /univision/bin/UVS.sh, which is “/unistore1/univ/univision/bin/UVS.sh” in the example.

Enter the Program Path & Name (ESC to exit):-
/unistore1/univ/univision/bin/UVS.sh

For the working directory enter the UniVision home path which is “/unistore1/univ” in the example.

Enter the Working Directory (ESC to exit):- /unistore1/univ

For the Program parameters just enter a <cr>.

Enter any Program Parameters:-

For the user name enter the UniVision user name for the remote system which in the example is “univ”.

Enter the User Name (ESC to exit):- univ

The server should be set to active so enter a “y”.

Is the Server to be set Active (Y/N) (ESC to exit):- y

As it read’s an optional comment is optional so just enter a <cr>.

Enter an optional Comment:-

You will now be prompted to enter the UniVision password for the remote system, enter this if there is one otherwise just enter a <cr>.

Enter the User's Password (ESC to exit):-
Re-Enter the User's Password (ESC to exit):-

The UVRegistry process is now complete, enter any key to continue.

Press any key to continue.

This time the registry file is displayed in the menu, select “e” to exit.

The Program Alias Names & Working Directories in the registry file are:

univ /unistore1/univ

(E)xit (D)elete (M)odify (S)how (A)dd :- e

On completing the UVRegistry a check is made to see if there is a univision entry in the /etc/inet/services file, if there is not entry then enter a “y” to create one.

"univision" does not exist in
"/etc/inet/services"
for "tcp" protocol.

Do you want to add to the file now? (Y/N):- y

The standard tcp port is 2820 which should be used unless this port is in use by another application, select “y” use the standard tcp port and it will error if it is in use.

Do you want to use the standard "tcp" port number of "2820"? (Y/N):- y

There is no real need to create an alias at this point so select “n” to say no.

Do you also want to add aliases? (Y/N):- n

You will now be prompted to update the /etc/inet/services file enter "y" to accept.

OK to add

"univision 2820/tcp "

to the "/etc/inet/services" file? (Y/N):- y

UniVision will be added to the /etc/inet/services, hit any key to continue.

"univision" added to "/etc/inet/services".

Press any key to continue.

This complete’s the configuration on the remote system, select “e” to exit at the Maintain Local/Remote UniVision Names menu.

Maintain Local/Remote UniVision Names

---------- Maintain ----------
(E)xit (I)dentity Name (R)emote Names (U)VRegistry :-

From the UniVision setup menu select “0” to exit.

UniVision SETUP MENU
----

(0) Exit
(1) Initial Parameter File Build
(2) Maintain Process Records
(3) Maintain Terminal Cross References
(4) Maintain Device Name Specifications
(5) Maintain Printer Records
(6) Maintain Initial TERM Settings
(7) Control Sub Menu
(8) Display Process Status
(9) Check For Unrelated UV's & SS's
(10) Maintain Process Size Limits
(11) Maintain Default Alternate Break Key Value
(12) Maintain External Spool File
(13) Maintain Local/Remote UniVision Names
(14) Maintain COM Port Parameters File (NT only)
(15) Maintain Timeout Parameters

Enter required option number :- 0

With you configuration in place all that is left to do is to start the UniVision listener process by entering “UVListen –l” at the UniVision shell prompt.

$ UVListen -l
UVListen -l: 'UVListenerd' launched
$ UVsetup

Please wait ....

CREATING A REMOTE LINK ON THE LOCAL MACHINE

The first thing to do is to login into UniVision on the local machine and then enter the UVsetup menu. Upon entering the UVsetup menu you may receive a warning stating that there appears to be users in UniVision, enter “y” to proceed to the menu.

There appears to be 1 process(es) still logged-on to UniVision.

Do you still want to enter UVsetup? (y/n) :- y

Please wait ....

Once you have the setup menu in front of you select option “13”, Maintain Local/Remote UniVision Names.

UniVision SETUP MENU

---------- ----------

(0) Exit
(1) Initial Parameter File Build
(2) Maintain Process Records
(3) Maintain Terminal Cross References
(4) Maintain Device Name Specifications
(5) Maintain Printer Records
(6) Maintain Initial TERM Settings
(7) Control Sub Menu
(8) Display Process Status
(9) Check For Unrelated UV's & SS's
(10) Maintain Process Size Limits
(11) Maintain Default Alternate Break Key Value
(12) Maintain External Spool File
(13) Maintain Local/Remote UniVision Names
(14) Maintain COM Port Parameters File (NT only)
(15) Maintain Timeout Parameters

Enter required option number :- 13

From the Maintain Local/Remote UniVision Names menu select “r” for Remote Names.

Maintain Local/Remote UniVision Names

---------- Maintain ----------
(E)xit (I)dentity Name (R)emote Names (U)VRegistry :- r

The system will now display the default entries for the local system, select “a” to add a new entry.

The format for the "univision/admin/remote_univision_names" file is:

ConnectionAliasName;ProgramAliasName@SystemHostName;Optional Comment

The entries are:

<1> UNIV;UniV@localhost;
<2> UVLocal;UniV@localhost;

(E)xit (D)elete (A)dd :- a

The Connection Alias Name is a can be anything as this is what you are going to call your link, in the example I have called it “univbox1”.

Enter the Connection Alias Name (ESC to exit):- univbox1

The Program Alias Name is the login for UniVision on the remote system, which in the example is “univ”.

Enter the Program Alias Name (ESC to exit):- univ

The system name is the name that is in or is to be entered into the /etc/hosts file, in the example I have used “os4”.

Enter the System Host Name (ESC to exit):- os4

As it read’s an optional comment is optional so just enter a <cr>.

Enter an optional Comment:-

The program will now check the entries in the /etc/hosts file and then prompt for a new entry added or confirmed, select “c” for correct.

Please wait while the database is checked ...

There is an entry for "os4" in "/etc/inet/hosts" as follows:

128.2.0.4 os4

Is this file entry correct or do you want to delete it? (C/D):- c

The host file will now be updated, hit any key to continue.

Press any key to continue.

The remote entries will be listed again, this time with the addition of the new entry to the remote system. With your configuration complete select “e” to exit.

The format for the "univision/admin/remote_univision_names" file is:

ConnectionAliasName;ProgramAliasName@SystemHostName;Optional Comment

The entries are:

<1> UNIV;UniV@localhost;
<2> UVLocal;UniV@localhost;
<3> univbox1;univ@os4;

(E)xit (D)elete (A)dd :- e

This complete’s the configuration on the local system, select “e” to exit at the Maintain Local/Remote UniVision Names menu.

Maintain Local/Remote UniVision Names

---------- Maintain ----------
(E)xit (I)dentity Name (R)emote Names (U)VRegistry :- e

From the UniVision setup menu select “0” to exit.

UniVision SETUP MENU
----

(0) Exit
(1) Initial Parameter File Build
(2) Maintain Process Records
(3) Maintain Terminal Cross References
(4) Maintain Device Name Specifications
(5) Maintain Printer Records
(6) Maintain Initial TERM Settings
(7) Control Sub Menu
(8) Display Process Status
(9) Check For Unrelated UV's & SS's
(10) Maintain Process Size Limits
(11) Maintain Default Alternate Break Key Value
(12) Maintain External Spool File
(13) Maintain Local/Remote UniVision Names
(14) Maintain COM Port Parameters File (NT only)
(15) Maintain Timeout Parameters

Enter required option number :- 0

TESTING THE REMOTE LINK

To test that you link works logon to your local system and edit a new “MD” item called “TEST”. Insert a “Q” in line 1 to denote a q pointer, in line 2 you need to enter the Account name on the remote system for example “COMMS”, followed by the “@”symbol, followed by the name of the remote link, which in the example was “univbox1”. Line 3 is the name of the file on the remote system in the example I have used “MD”.

>ED MD TEST
NEW ITEM
TOP
.I
001+Q
002+COMMS@univbox1
003+MD

```
 004+
 TOP
.FI
'TEST' filed.
```

Now we have a TEST file in place, LIST the file, if the file list without any errors then your configuration is successful, if your LIST errors with “file not found” then you need to check your configuration.

```
>LIST TEST


PAGE    1                          14:42:26  13 MAY 2002

TEST..... 1..... AMC..... S/NAME.... STRUCT

BLOCK-CONVERT              Q       BLOCK-CONV
T-ERASE                    P       73
80                         P       E6
DISABLE                    P       E6
V/TYP                      A       09       TP
CM.CHECK.LINE              P       E6
VIAODBC16                  P       E6
:ITB                       PQ      [UVPROCS N
                           A]
VTW.GET.TEXT               P       E6
GUI.UVSPOOL1               P       E6
CONVERSE                   P       212
SUBX                       P       17
CREATE-BFILE               PC      26
ENABLE-DELETE-TRIGGER      PD       2       7C
PCCTRL.PROG                P       E6
KERMIT                     P       E6
STD.DEFS                   P       E6
*A2                        A       02       *A2
>
```

TROUBLE SHOOTING REMOTE LINKS

Set permission on the /etc/UVServiceRegistry to –rw-rw-rw.

Once this is complete return to the UniVision setup menu and take the following option to return to the login prompt:

18. Ask customer to test application and printer functionality.

19. Change the UniVision password back to the original setting using the instructions outlined in step 4.

20. Perform another MAININFO using the instructions in point 7, send a copy to custinfo@edp.fastfreenet.com.