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Table of Contents

[**1.** **INTRODUCTION** 3](#_Toc479847023)

[**2.** **Installation Procedure - UNIX** 4](#_Toc479847024)

[**3.** **Backup** 6](#_Toc479847025)

[3.1 Restoring Tape Backup – Complete tape backup restore 6](#_Toc479847026)

[3.2 Restoring Tape Backup – Interactive Restore 7](#_Toc479847027)

[3.3 Restoring Tape Backup – Disk2 Folder Backup (Without Tape Restore) 11](#_Toc479847028)

[3.4 To take backup from existing system 12](#_Toc479847029)

[**4.** **User Interface – Advant Operator Station** 13](#_Toc479847030)

[4.1 To View Displays in Advant Operator Station (Edit Mode) 14](#_Toc479847031)

[4.2 Display Installer 19](#_Toc479847032)

[4.3 Operator Station 24](#_Toc479847033)

[4.4 System shutdown 25](#_Toc479847034)

[4.5 IP Address 26](#_Toc479847035)

[4.6 ReflectionX 27](#_Toc479847036)

[**5.** **800xA** 29](#_Toc479847037)

[5.1 Install CBA 29](#_Toc479847038)

[5.2 Create Project in Application Builder 33](#_Toc479847039)

[5.3 Install APC Library 46](#_Toc479847040)

[5.4 MB300 Upload 66](#_Toc479847041)

[5.5 Static Graphic Library 71](#_Toc479847042)

[5.6 Static Graphics Creation 77](#_Toc479847043)

[5.7 Dynamic Symbol Mapping and Creation 79](#_Toc479847044)

[5.8 Color Mapping as per UNIX 82](#_Toc479847045)

[5.9 Trends 87](#_Toc479847046)

[5.10 Tags Used in Display 87](#_Toc479847047)

1. **INTRODUCTION**

This document describes the steps and tips to be followed while converting displays from UNIX machine to 800xA

This document describes:

* Installation Procedure for the ADVACOMMAND for Unix Operator Station
* Restoring and taking backup from UNIX machine
* User Interface of the UNIX machine
* Few steps to be followed in the 800xA while graphics conversion

1. **Installation Procedure - UNIX**

Installation procedure for loading ADVACOMMAND for Unix Operator Station 1.8/5 Rev A

1. Insert the Adva command CD in DVD-ROM drive.
2. Press Restart button to restart the system.
3. Press Esc key 3 to 4 times until the screen **MAIN MENU** appears.
4. Main Menu : Enter Command >
5. Type **SEA**
6. This will list all bootable devices.
7. Type **b P0** (This is to boot from CD)
8. IPL (Y,N,Q) ? > Type **N**
9. It will display all languages. Choose US\_English\_Language i.e. 26
10. Type **26**
11. Press **Return**
12. Choose **Install HP\_UX**
13. Press **OK**
14. Press **OK**
15. Choose **Software** by using TAB Key
16. Select **ALL** and goto sub options which are displayed. Choose the options by pressing SPACE bar
17. **Central Backup**
18. **Display Builder**
19. **Online Builder**
20. **Ext DE Library**
21. **Process Sectioning**
22. **Status List**
23. **Tags Unlimited**
24. **AI History**
25. **B6193AA**
26. **Ignite-UX-10-20**
27. **X-Server for 3 workplaces**
28. **Enware X**
29. **HP-Netstation**
30. Choose **System** and press Enter
31. Press OK
32. Press TAB key
33. Host Name : Type AS4 (Depending the OS being installed)
34. IP Address : 192.36.66.4 (Depending the OS being installed)
35. Press TAB key twice to choose Time Zone
36. Choose Asia
37. Press TAB key.
38. Choose India
39. Press TAB key.
40. Press OK
41. Go to the File system by using TAB Key
42. Press Enter.
43. Press OK.
44. Go to Modify by using TAB key
45. Press Enter.
46. Choose Additional Task by using TAB key
47. Choose Volume Group Parameters
48. Press OK
49. Change the Max Physical Volume from 16 to 4
50. Use TAB key to change physical ext size (MB) from 4 to 8
51. Then use TAB key to choose Modify
52. Press Enter
53. Press OK
54. Press OK
55. Choose Go
56. Press OK
57. Choose Go
58. It starts loading the files. It may take around 20 minutes. It may restart several times until you see the screen Network Configuration
59. Type the following
60. Network Address 1 : 11
61. Network Address 2 : 12
62. Node Address : 38
63. Description : OS4
64. Type : OS
65. Press OK for Operator Station
66. Press OK for Warm Start
67. Press OK for Customer
68. The screen “Advant Station 500 Series Operator Station Version SW\*1.8-5 Rev A” appears.
69. The Application backup has to be loaded.
70. Insert the Backup tape in tape drive
71. Restart the Operator Station
72. First the Network Configuration window appears and then the Workstation Mode appears.
73. Exit.
74. Next it will continue to warm up then to Customer.
75. **Backup**

The Backup required from site for the project execution in INOPC:

1. Tape Backup – Recommended or Disk2 Folder Backup.
2. .BA/.BAX – Engineering Station Backup

But if there are remote IO’s then the .AD backup is needed – (and corresponding Firmware libraries to load into controller)

## Restoring Tape Backup – Complete tape backup restore

For **Complete Tape backup** restore the UNIX machine has to be restarted and then select

1. Choose Backup & Restore Mode
2. Then Choose Restore OS 1.8 Independent Config Data
3. Right Click Start Program
4. The box in green indicates that it has been restored.
5. Exit.
6. Next it will continue to warm up then select Customer- ok.
7. **The Username and Password** has to be collected as per the site and loaded.

## Restoring Tape Backup – Interactive Restore

If we give **interactive restore** then the following path has to be restored after restart:

To load elements: disk2\data\adaptions\OS\element

To load displays & trends: disk2\data\customer\OS\display

If we do interactive restore then the **file permissions** has to be given to the restored files.

So now in a windows machine connected in the same network open CoreFTP software and connect as per the below image:

Host IP: UNIX machine IP

Username: root

Password: vm-guld

Click on the **advanced** button. A window appears as shown below.

* Enable **Set default transfer mode to BINARY** option.
* Click **OK**.

Click **Connect**.

The left side is the windows machine and the right side the UNIX machine path as shown in the image:

So in the right side of the windows navigate to the following paths:

disk2\data\adaptions\OS\element

disk2\data\customer\OS\display

Right-click on the files in the UNIX system. Select **Properties**. A window appears as shown below:

Enter the Value as **777**. This provides read, write and execute permissions to the file.

This read, write and execute permission (777) has to be given also to the folders containing the elements and displays along with the files inside it.

## Restoring Tape Backup – Disk2 Folder Backup (Without Tape Restore)

If we have received only the Disk2 folder Backup from the customer then using the CoreFTP software, transfer the elements and display files from Windows to UNIX.

The same steps as explained in the interactive restore, the folder and the files permission has to be given 777 in the UNIX machine.

**Note:**

Usually for the files required for setting up the source system (Unix OS system)

For elements: .g file, .de file and .m2 file

For Displays: .g file, .ds file and .m1 file

**Note:**

Displays / elements when transferred from a system running on Windows OS to a system running on Unix OS should have the file extension renamed to Lower case. For eg. filename.G should be renamed as filename.g

## To take backup from existing system

1. Goto to System Display Keys 🡺 System Config 🡺 Maintenance
2. Choose Station Backup.
3. Insert the tape in tape drive.
4. Choose Backup of OS 1.8 Configurable Data
5. Right click and Start.
6. **User Interface – Advant Operator Station**

Once the Machine has been restored:

Right Click on the Operator Station window,

Goto 🡺 Max Dialog🡺Password Dialog 🡺Type Password:**aosmaxd0.**

## To View Displays in Advant Operator Station (Edit Mode)

Follow the screenshots:

## Display Installer

If the displays are loaded from the Interactive restore mode or through CoreFTP software then the displays needs to be installed.

If the complete tape backup has been loaded then this step is not required

This green color should be shown for no error as per below image

## Operator Station

Goto to Display Keys🡺Display Menu🡺Select the display.

## System shutdown

Procedure for system Shutdown

1. Goto to System Display Keys 🡺 System Config 🡺 Station 🡺 Terminal Window
2. $ Type cd /
3. $ Type su
4. Password : vm-guld
5. # shutdown –h 0 for shutdown
6. # shutdown –r 0 for restart

## IP Address

To check/ change IP address of the machine

1. Goto to System Display Keys 🡺 System Config 🡺 Station 🡺 Terminal Window
2. $ Type cd /
3. $ Type su
4. Password : vm-guld

# set\_parms ip\_address

## ReflectionX

To take remote of the UNIX machine this software (Reflection X) can be installed in the windows machine of the same network.

Make sure that the PseudoColor Emulation is selected in the color setting as per below image

While Opening the workplace if the W3 workplace has been selected then the maxdial password will be **aosmaxd3**

1. **800xA**

The steps to be followed after the installation of the 800xA are as follows:

## Install CBA

Here the CBA 1.4 Installation has been shown step by step:

## Create Project in Application Builder

Here the CBA 1.4 Installation has been shown step by step:

Open Application Builder

Create New Project

Creating new node

The Node Name, Node Type, Net-Node Number, and the Firmware libraries used can be selected as per the project specific

Copy and replace the PCDATA, DBDATA, TCDATA as per received from the site backup

Generate Source – To generate new ODB file

## Install APC Library

Here the Installation procedure for APC library screenshots are added:

This installation is required only if the APC library is used in that particular project

## MB300 Upload

To load tags in 800xA control structure when APC library has been used

Follow the following steps:

Give the path in AC400 UploaderX as follows:

If there are no remote IO’s then the tags can be loaded from FCB as follows:

Now you can see that the GenUSD tags are loaded in the APC library object types in the above image.

If there is remote IO’s then the .AD file received from the site has to be loaded into the physical controller using the correct firmware libraries loaded.

Then the MB300 upload needs to be done From Controller.

## Static Graphic Library

If the project requires the Static library then it can be installed in the following way.

## Static Graphics Creation

While starting to create the graphics in 800xA,

First the Screen Resolution has to be checked as per the new monitor used for example, if the 24 inches monitor is used then 1920\*1200 then the display size can be 1920\*1051 if the standard operator workplace is used.

Second the aspect links needs to be checked for each display as per the operator workplace in the advant and as per the below image th aspect links can be configured.

The links can be checked in the UNIX machine by selecting

## Dynamic Symbol Mapping and Creation

First the dynamic elements needs to be mapped according to the APC libraries (if present) and the standard elements in 800xA.

Some of the mapping list are as follows

|  |  |  |
| --- | --- | --- |
| **SourceSymbol** | **ObjectType** | **TargetSymbol** |
| AIBARH | MB300 AI | BargraphMV01 |
| AIPD01 | MB300 AI | NumericMVUnit01 |
| AIPD51 | MB300 AI | BargraphMV01 |
| AIMETER | MB300 AI | AIMETER-customized |
| AOPD01 | MB300 AO | NumericOUTUnit01 |
| APC\_GR\_HEATX\_H | AM Submodels | APC\_GR\_HEATX\_H |
| APC\_GR\_PUMP\_L\_OFF | AM Submodels | APC\_GR\_PUMP\_L\_OFF |
| APC\_GR\_PUMP\_L\_ON | AM Submodels | APC\_GR\_PUMP\_L\_ON |
| APC\_GR\_VALVE\_H\_CLS | AM Submodels | APC\_GR\_VALVE\_H\_CLS |
| APC\_GR\_VALVE\_H\_OPN | AM Submodels | APC\_GR\_VALVE\_H\_OPN |
| APC\_GR\_VALVE\_V\_CLS | AM Submodels | APC\_GR\_VALVE\_V\_CLS |
| APC\_GR\_VALVE\_V\_CTRL | AM Submodels | APC\_GR\_VALVE\_V\_CTRL |
| APC\_GR\_VALVE\_V\_OPN | AM Submodels | APC\_GR\_VALVE\_V\_OPN |
| APC\_GR\_PUMP\_D\_OFF | AM Submodels | APC\_GR\_PUMP\_D\_OFF |
| APCKEY | AM Submodels | APCKEY |
| APCKEYKEY | AM Submodels | APCKEYKEY |
| APCLOGIN | AM Submodels | APCLOGIN |
| APCMENU | AM Submodels | APCMENU |
| APCMSGKEY | AM Submodels | APCMSGKEY |
| APCAUTH | AM Submodels | APCAUTH |
| APCKEYPAD | AM Submodels | APCKEYPAD |
| DICH | MB300 DI | apcSymbol01\_ **(Breaker)** |
| DICV | MB300 DI | apcSymbol01\_ **(Breaker)** |
| DIFLR | MB300 DI | apcSymbol01\_ (Flame) |
| DILAMP | MB300 DI | DILAMP-customized |
| DIPD01 | MB300 DI | IndicatorBox01 |
| DISP01 | Buttons | Aspect View Button |
| DISTRING | MB300 DI | DISTRING-customized |
| DIVH | MB300 DI | apcSymbol01\_ **(Valve)** |
| DIVV | MB300 DI | apcSymbol01\_ **(Valve)** |
| DICOLORLINE | MB300 DI | DICOLORLINE-customized |

|  |  |  |
| --- | --- | --- |
| **SourceSymbol** | **ObjectType** | **TargetSymbol** |
| DIELFL | MB300 DI | DIELFL-customized |
| DIFANS | MB300 DI | apcSymbol01\_ **(Fan)** |
| DIPUMPS | MB300 DI | apcSymbol01\_  **(Pump)** |
| DOLAMP | MB300 DO | DOLAMP-customized |
| DOPD01 | MB300 DO | IndicatorBox01 |
| DOPD02 | MB300 DO | IndicatorDiamond01 |
| DOSTRING | MB300 DO | DOSTRING-customized |
| GAPD01 | MB300 Group Alarm | IndicatorBox01 |
| DATPD01 | MB300 DatR | Numeric01 |
| GU1SEL | MB300 GenUsd1 | GU1SEL-customized |
| GU1XYD | MB300 GenUsd1 | GU1XYD-customized |
| GU2CFG | MB300 CFG | apcCFG |
| GU2SEL2 | MB300 C2SEL | apcC2SELfp |
| GU2SEL3 | MB300 C3SEL | apcC3SELfp |
| GU3CH | MB300 C2PB | apcBreaker01 |
| GU3CV | MB300 C2PB | apcBreaker01 |
| GU3EH | MB300 C2PB | apcHeater01 |
| GU3FR | MB300 C2PB | apcFan01 |
| GU3FU | MB300 C2PB | apcFan01 |
| GU3FD | MB300 C2PB | apcFan01 |
| GU3FL | MB300 C2PB | apcFan01 |
| GU3GO | MB300 C2PB | apcIndicatorBox01\_Small |
| GU3MX | MB300 C2PB | apcMotor01 |
| GU3PD | MB300 C2PB | apcPump01 |
| GU3PL | MB300 C2PB | apcPump01 |
| GU3PR | MB300 C2PB | apcPump01 |
| GU3PU | MB300 C2PB | apcPump01 |
| GU4RDL | MB300 C2PV | apcFlap01 |
| GU4VH | MB300 C2PV | apcValve01 |
| GU4VV | MB300 C2PV | apcValve01 |
| GU5DV | MB300 C3PMV | apcFlap01 |
| GU5DH | MB300 C3PMV | apcFlap01 |
| GU5V3DIR | MB300 C3PMV | apc3WayValve01 |
| GU5VH | MB300 C3PMV | apcValve01 |
| GU5VV | MB300 C3PMV | apcValve01 |
| MANPD01 | MB300 Manual Station | MANPD01-customized |

|  |  |  |
| --- | --- | --- |
| **SourceSymbol** | **ObjectType** | **TargetSymbol** |
| MSWID | MB300 Manual Station | MSWID-customized |
| MSGRAPH | MB300 Manual Station | MSGRAPH-customized |
| PIDAWID | MB300 Adaptive PID Ctrl | PIDAWID-customized |
| SEQWID | MB300 Sequence Control | apcIndicator01 |

But if the customer is insisting in the one to one symbol mapping as per the UNIX machine then the .DE and .G file of each element has to be opened in WordPad and needs to create it accordingly in the 800xA.

For the testing of these newly created elements, the UNIX machine and the 800xA needs to be connected in the same network with the online controller.

Then for each element we can force the control connections and check the presentation similar in both UNIX and the 800xA.

## Color Mapping as per UNIX

The RGB color mapping as per the UNIX machine is listed below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **PPA Color Name** | **Hex. Value** | **( B , G , R ) Value** |
| 1 | AMDarkGrey9 | &H00808080& | 128,128,128 |
| 2 | AMWhite | &H00FFFFFF& | 255,255,255 |
| 3 | A01Black | &H00000000& | 0,0,0 |
| 4 | A02LightBlack | &H000F0F0F& | 15,15,15 |
| 5 | A03LightBlack | &H00171717& | 23,23,23 |
| 6 | A04LightBlack | &H001F1F1F& | 31,31,31 |
| 7 | A05VeryLightBlack | &H00262626& | 38,38,38 |
| 8 | A06VeryLightBlack | &H002E2E2E& | 46,46,46 |
| 9 | A07DarkGrey | &H00363636& | 54,54,54 |
| 10 | A08DarkGrey | &H00404040& | 64,64,64 |
| 11 | A09DarkGrey | &H00474747& | 71,71,71 |
| 12 | A10DarkGrey | &H004F4F4F& | 79,79,79 |
| 13 | A11DarkGrey | &H00575757& | 87,87,87 |
| 14 | A12DarkGrey | &H005E5E5E& | 94,94,94 |
| 15 | A13Grey | &H008F8F8F& | 143,143,143 |
| 16 | A14DarkGrey | &H00707070& | 112,112,112 |
| 17 | A15DarkGrey | &H00787878& | 120,120,120 |
| 18 | A16DarkGrey | &H007F7F7F& | 127,127,127 |
| 19 | B01Grey | &H00878787& | 135,135,135 |
| 20 | B02Grey | &H008F8F8F& | 143,143,143 |
| 21 | B03Grey | &H00969696& | 150,150,150 |
| 22 | B04LightGrey | &H009E9E9E& | 158,158,158 |
| 23 | B05LightGrey | &H00A6A6A6& | 166,166,166 |
| 24 | B06LightGrey | &H00B0B0B0& | 176,176,176 |
| 25 | B07LightGrey | &H00B8B8B8& | 184,184,184 |
| 26 | B08LightGrey | &H00BFBFBF& | 191,191,191 |
| 27 | B09LightGrey | &H00C7C7C7& | 199,199,199 |
| 28 | B10LightGrey | &H00CFCFCF& | 207,207,207 |
| 29 | B11LightGrey | &H00D6D6D6& | 214,214,214 |
| 30 | B12LightWhite | &H00E0E0E0& | 224,224,224 |
| 31 | B13LightWhite | &H00E8E8E8& | 232,232,232 |
| 32 | B14LightWhite | &H00EFEFEF& | 239,239,239 |
| 33 | B15LightWhite | &H00F7F7F7& | 247,247,247 |
| 34 | B16White | &H00FFFFFF& | 255,255,255 |
| 35 | C01GreenishBlue | &H0036648B& | 139,100,54 |
| 36 | C02LightGreenishBlue | &H004F94CD& | 205,148,79 |
| 37 | C03LightBlue | &H0063B8FF& | 255,184,99 |
| 38 | C04LightBlue | &H0087CEFF& | 255,206,135 |
| 39 | C05Cement | &H006E7B8B& | 139,123,110 |
| 40 | C06LightCement | &H00A2B5CD& | 205,181,162 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **PPA Color Name** | **Hex. Value** | **( B , G , R ) Value** |
| 41 | C07LightCement | &H00BCD2EE& | 238,210,188 |
| 42 | C08White | &H00E0EEEE& | 238,238,224 |
| 43 | C09Brown | &H008B7355& | 85,115,139 |
| 44 | C10LightBrown | &H00CDAA7D& | 125,170,205 |
| 45 | C11LightBrown | &H00FFD39B& | 155,211,255 |
| 46 | C12LightBrown | &H00EED5B7& | 183,213,238 |
| 47 | C13Blue | &H003232CC& | 204,50,50 |
| 48 | C14LightGreen | &H0000CDCD& | 205,205,0 |
| 49 | C15LightBrown | &H00CD8162& | 98,129,205 |
| 50 | C16LightBrown | &H00EE9572& | 114,149,238 |
| 51 | D01DarkGreenishBlue | &H002F4F4F& | 79,79,47 |
| 52 | D02DarkGreenishBlue | &H00528B8B& | 139,139,82 |
| 53 | D03LightCyan | &H0079CDCD& | 205,205,121 |
| 54 | D04LightCyan | &H008DEEEE& | 238,238,141 |
| 55 | D05DarkGreen | &H0000562D& | 45,86,0 |
| 56 | D06DarkGreen | &H00698B69& | 105,139,105 |
| 57 | D07VeryLightGreen | &H009BCD9B& | 155,205,155 |
| 58 | D08LightGreen | &H00B4EEB4& | 180,238,180 |
| 59 | D09DarkYellow | &H008B6508& | 8,101,139 |
| 60 | D10DarkYellow | &H00B8860B& | 11,134,184 |
| 61 | D11DarkYellow | &H00DAAA00& | 0,170,218 |
| 62 | D12BrightYellow | &H00FFC125& | 37,193,255 |
| 63 | D13DarkRed | &H00A52A2A& | 42,42,165 |
| 64 | D14Red | &H00EE2C2C& | 44,44,238 |
| 65 | D15LightPink | &H00EE6363& | 99,99,238 |
| 66 | D16LightPink | &H00CDB7B5& | 181,183,205 |
| 67 | E01Black | &H00000000& | 0,0,0 |
| 68 | E02Red | &H00EE0000& | 0,0,238 |
| 69 | E03Yellow | &H00FFFF00& | 0,255,255 |
| 70 | E04Green | &H004DFF4D& | 77,255,77 |
| 71 | E05Cyan | &H002DE5E5& | 229,229,45 |
| 72 | E06DarkBlue | &H000000EE& | 238,0,0 |
| 73 | E07Pink | &H00FF00FF& | 255,0,255 |
| 74 | E08White | &H00FFFFFF& | 255,255,255 |
| 75 | E09Orange | &H00FF4500& | 0,69,255 |
| 76 | E10LightPink | &H00CDB7B5& | 181,183,205 |
| 77 | E11Brown | &H00B26B47& | 71,107,178 |
| 78 | E12LightGreen | &H00B4EEB4& | 180,238,180 |
| 79 | E13LightPink | &H00EE6363& | 99,99,238 |
| 80 | E14LightYellow | &H00FFF2B3& | 179,242,255 |
| 81 | E15BrightYellow | &H00FFC125& | 37,193,255 |
| 82 | E16Magenta | &H00CD00CD& | 205,0,205 |
| 83 | F01MediumRed | &H00CD3333& | 51,51,205 |
| 84 | F02MediumRed | &H00CD4F39& | 57,79,205 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **PPA Color Name** | **Hex. Value** | **( B , G , R ) Value** |
| 85 | F03Brown | &H00CD661D& | 29,102,205 |
| 86 | F04GreenishBrown | &H00B3B37E& | 126,179,179 |
| 87 | F05LightGreen | &H0066CD00& | 0,205,102 |
| 88 | F06LightGreen | &H0041AC41& | 65,172,65 |
| 89 | F07LightGreen | &H00008B45& | 69,139,0 |
| 90 | F08LightGreen | &H00509F69& | 105,159,80 |
| 91 | F09BrightCyan | &H0032BFC1& | 193,191,50 |
| 92 | F10BluishGrey | &H005F929E& | 158,146,95 |
| 93 | F11DarkBlue | &H001874CD& | 205,116,24 |
| 94 | F12DarkBlue | &H00104E8B& | 139,78,16 |
| 95 | F13DarkBlue | &H0000008B& | 139,0,0 |
| 96 | F14DarkViolet | &H00473C8B& | 139,60,71 |
| 97 | F15Magenta | &H00CD00CD& | 205,0,205 |
| 98 | F16DarkMagenta | &H008B1C62& | 98,28,139 |
| 99 | G01MediumRed | &H00FF4040& | 64,64,255 |
| 100 | G02VeryLightRed | &H00EE6A50& | 80,106,238 |
| 101 | G03LightOrange | &H00FF8C00& | 0,140,255 |
| 102 | G04LightYellow | &H00FFF68F& | 143,246,255 |
| 103 | G05BrightGreen | &H00C0FF3E& | 62,255,192 |
| 104 | G06BrightGreen | &H00ADFF2F& | 47,255,173 |
| 105 | G07BrightGreen | &H007CFC00& | 0,255,124 |
| 106 | G08BrightGreen | &H0054FF9F& | 159,255,84 |
| 107 | G09LightCyan | &H008DEEEE& | 238,238,141 |
| 108 | G10BrightCyan | &H0019CCDF& | 223,204,25 |
| 109 | G11MediumBlue | &H0001B2EE& | 238,178,1 |
| 110 | G12MediumBlue | &H001C86EE& | 238,134,28 |
| 111 | G13DarkBlue | &H000000EE& | 238,0,0 |
| 112 | G14Violet | &H008470FF& | 255,112,132 |
| 113 | G15LightPink | &H00CD69C9& | 201,105,205 |
| 114 | G16BrightPink | &H00FF1493& | 147,20,255 |
| 115 | H01MediumRed | &H00CD3333& | 51,51,205 |
| 116 | H02MediumRed | &H00CD4F39& | 57,79,205 |
| 117 | H03Brown | &H00CD661D& | 29,102,205 |
| 118 | H04GreenishBrown | &H00B3B37E& | 126,179,179 |
| 119 | H05LightGreen | &H0066CD00& | 0,205,102 |
| 120 | H06LightGreen | &H0041AC41& | 65,172,65 |
| 121 | H07LightGreen | &H00008B45& | 69,139,0 |
| 122 | H08LightGreen | &H00509F69& | 105,159,80 |
| 123 | H09BrightCyan | &H0032BFC1& | 193,191,50 |
| 124 | H10BluishGrey | &H005F929E& | 158,146,95 |
| 125 | H11DarkBlue | &H001874CD& | 205,116,24 |
| 126 | H12DarkBlue | &H00104E8B& | 139,78,16 |
| 127 | H13DarkBlue | &H0000008B& | 139,0,0 |
| 128 | H14DarkViolet | &H00473C8B& | 139,60,71 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **PPA Color Name** | **Hex. Value** | **( B , G , R ) Value** |
| 129 | H15Magenta | &H00CD00CD& | 205,0,205 |
| 130 | H16DarkMagenta | &H008B1C62& | 98,28,139 |
| 131 | K01Red | &H00EE0000& | 0,0,238 |
| 132 | K02Black | &H00000000& | 0,0,0 |
| 133 | K03MediumYellow | &H00EEEE00& | 0,238,238 |
| 134 | K04Black | &H00000000& | 0,0,0 |
| 135 | K05DarkGreen | &H002DE52D& | 45,229,45 |
| 136 | K06DarkGreen | &H0000B514& | 20,181,0 |
| 137 | K07DarkGreen | &H00008300& | 0,131,0 |
| 138 | K08DarkBlue | &H000000EE& | 238,0,0 |
| 139 | K09Cyan | &H002DE5E5& | 229,229,45 |
| 140 | K10Black | &H00000000& | 0,0,0 |
| 141 | K11Pink | &H00EE00EE& | 238,0,238 |
| 142 | K12Black | &H00000000& | 0,0,0 |
| 143 | K13LightYellow | &H00EFD689& | 137,214,239 |
| 144 | K14Black | &H00000000& | 0,0,0 |
| 145 | K15Brown | &H00B26B47& | 71,107,178 |
| 146 | K16Black | &H00000000& | 0,0,0 |
| 147 | L01Red | &H00FF0000& | 0,0,255 |
| 148 | L02Black | &H00000000& | 0,0,0 |
| 149 | L03Yellow | &H00FFFF00& | 0,255,255 |
| 150 | L04Black | &H00000000& | 0,0,0 |
| 151 | L05Green | &H004DFF4D& | 77,255,77 |
| 152 | L06LightGreen | &H0051CC51& | 81,204,81 |
| 153 | L07Black | &H00000000& | 0,0,0 |
| 154 | L08LightBlue | &H004169E1& | 225,105,65 |
| 155 | L09DarkCyan | &H004DFFFF& | 225,255,77 |
| 156 | L10Black | &H00000000& | 0,0,0 |
| 157 | L11Pink | &H00FF00FF& | 255,0,255 |
| 158 | L12Black | &H00000000& | 0,0,0 |
| 159 | L13LightYellow | &H00FFF2B3& | 179,242,255 |
| 160 | L14lack | &H00000000& | 0,0,0 |
| 161 | L15MediumBrown | &H00CC8866& | 102,136,204 |
| 162 | L16White | &H00FCFCFC& | 255,252,25, |
| 163 | M01Red | &H00CD0000& | 0,0,205 |
| 164 | M02Black | &H00000000& | 0,0,0 |
| 165 | M03GreenishYellow | &H00CDCD00& | 0,205,205 |
| 166 | M04Black | &H00000000& | 0,0,0 |
| 167 | M05DarkGreen | &H0035B235& | 53,178,53 |
| 168 | M06DarkGreen | &H00009700& | 0,151,0 |
| 169 | M07Black | &H00000000& | 0,0,0 |
| 170 | M08MediumBlue | &H0027408B& | 139,64,39 |
| 171 | M09BrightCyan | &H0035B2B2& | 178,178,53 |
| 172 | M10Black | &H00000000& | 0,0,0 |

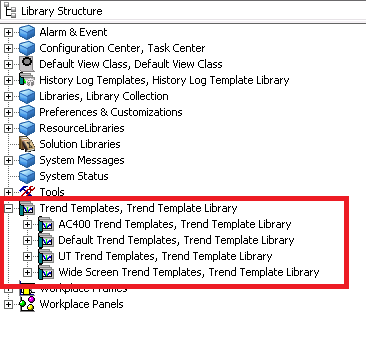
|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No.** | **PPA Color Name** | **Hex. Value** | **( B , G , R ) Value** |
| 173 | M11Magenta | &H00CD00CD& | 205,0,205 |
| 174 | M12Black | &H00000000& | 0,0,0 |
| 175 | M13LightYellow | &H00CCC18F& | 143,193,204 |
| 176 | M14Black | &H00000000& | 0,0,0 |
| 177 | M15Brown | &H0099664C& | 76,102,153 |
| 178 | M16DarkGrey | &H007F7F7F& | 127,127,127 |
| 179 | N01FlashRed | &H00FF0000& | 0,0,255 |
| 180 | N02FlashOrange | &H00FF5C00& | 0,92,255 |
| 181 | N03FlashYellow | &H00FFFF00& | 0,255,255 |
| 182 | N04Black | &H00000000& | 0,0,0 |
| 183 | N05FlashGreen | &H0000FF00& | 0,255,0 |
| 184 | N06FlashGreen | &H0000C000& | 0,192,0 |
| 185 | N07Black | &H00000000& | 0,0,0 |
| 186 | N08FlashBlue | &H000000FF& | 255,0,0 |
| 187 | N09FlashCyan | &H0000FFFF& | 255,255,0 |
| 188 | N10Black | &H00000000& | 0,0,0 |
| 189 | N11FlashMagenta | &H00FF00FF& | 255,0,255 |
| 190 | N12Cyan | &H0080FFFF& | 255,255,128 |
| 191 | N13VeryDarkGrey | &H00333333& | 51,51,51 |
| 192 | N14VeryLightBlue | &H00B4CDCD& | 205,205,180 |
| 193 | N15Black | &H00000000& | 0,0,0 |
| 194 | N16FlashWhite | &H00FFFFFF& | 255,255,255 |

Note: These color pallets can be loaded from the other similar projects where it is already created in the Workplace structure.

## Trends

If the trend has to configured in the 800xA as per the UNIX machine,

Then the trend templates can be created in the 800xA in the library structure as per below image.



The Trend file to be referred for the Unix machine is (.SV file) which can be usually found in disk2\data\customer\OS\display folder in UNIX machine

This .SV file can be opened in the WordPad and the Color, Control Connection, Dynamic Link can be read from this file.

## Tags Used in Display

To know the tags used in the display the .ds file which will be present in the disk2\data\customer\OS\display can be opened in the WordPad and check for ports::ObjectName where the tag name used in that particular display and the element type used can be found out.