

EMC VPLEX installation – Part I – Initialization

Posted on May 22, 2014 by admin

As you may already know, EMC [VPLEX](#) is the storage virtualization product from EMC, released in 2010.

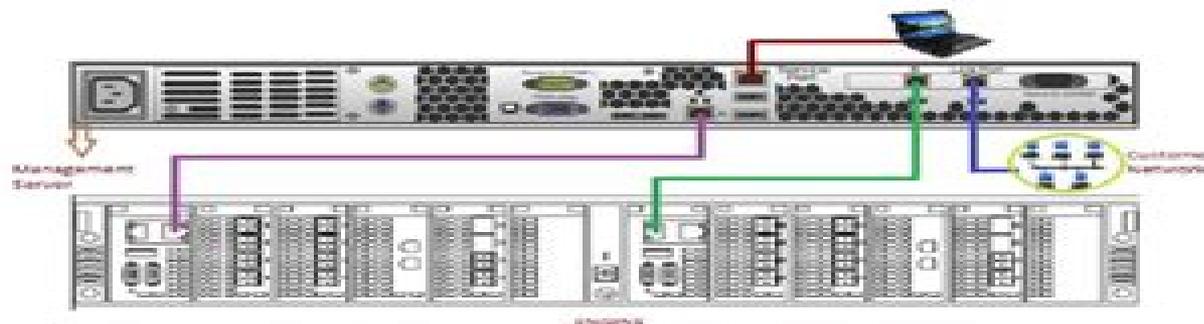
I had the opportunity recently to install a EMC VPLEX for our lab setup. As I was not much familiar with VPLEX , it was a challenging experience and there was a lot of learning too.. Thanks to EMC procedure generators too.



Hardware and cabling.

The one we got is a VS2 single engine model in our lab. The hardware include a single engine (looks much like a CX4-240 SPE), a management server (a 1U server similar to the VNX Control Station) and a pair of SPSes (Standby Power Supplies).

The basic network connectivity for a VS2 single engine is as below. Power, the best practice as always, SPS inputs should be from a different UPS sources. SPS return will provide power the directors in the engine. Management server is having only single power input as this is not a single point of failure in data access.



Once the cabling is completed, we can power ON the VPLEX. The director will boot up from the internal FLASH drive . For initialization, we will use the Service port on the Management server and connect it to laptop directly.

Bringing cluster to network

Change the network settings as below. And then we are all set to access the Management Server.

```

C:\Users\VVK>ipconfig /all
Windows IP Configuration

Ethernet adapter Local Area Connection 2:

   Connection-specific DNS Suffix  . : .
   Link-local IPv6 Address . . . . . : fe80::...
   IPv4 Address. . . . .               : 128.221.252.2
   Subnet Mask . . . . .               : 255.255.255.0
   Default Gateway . . . . .          : 128.221.252.1
  
```

Now the laptop will be able to communicate with the management server, whose default IP address is 128.221.252.2 . Have an SSH session to 128.221.252.2, via any terminal software like putty. SSH v2 is recommended and you may log the session output. Login with username service (refer EMC documentation for password).

Emc Vplex Installation And Setup Guide

Jiyuan Zhang



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