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| **Approch IPv6 Document** |

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**Step 1:- Operating system Environment**

1. There are three Desktop which is behave as servers
2. RHEL6.6 will run on two servers.
3. Oracle Linux 6.6 will run one server.

**Step 2:- Network Configuration environment.**

1. L2 Switch configured with IPv6 address.
2. Every server have single interface
3. It will communication with IPv6 address of each every device.

**Step 3:- OS level configuration.**

1. Network configuration on OS level which means IPv6 configuration on every interface.
2. Package Management configuration using YUM.
3. NTP configuration using IPv6 address
4. Virtual interface configuration bind with virtual IPv6 address
5. Rsyslog configuration using IPv6 address.
6. Ssh configuration with change port on IPv6 addresses.
7. File transfer protocol like SCP, Rysnc, FTP, SFTP.

**Step 4:- Verify Connectivity with below protocol.**

1. All devices should be ping each other.
2. Trace route should be working.
3. Telnet configuration on server, Switch end as well.

**Step 5:- Test cases.**

1. **Pinging** all devices.
2. Remotely access using **ssh, Telnet**.
3. File transfer **SCP, SFTP, FTP**.
4. Virtual Interface pinging.
5. Log transfer on remote Host.

**Step 6:- lab Setup Environment.**

