



# Preparing production environment for VOSS Netflow Solution

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## Abstract

This document is an overview of all the action items that need to be completed by system administrators before implementation of a successful deployment.

## Checklist

The following action items need to be completed by system administrators before the implementation starts:

ID	Action	Description	Criticality
1	Hardware specifications	The hardware/VM specifications have to meet the requirements defined by VOSS	Critical
2	Software specifications	VOSS Dashboard server is delivered as an ISO which includes an operating system. DS9 server is built on top of a CentOS 7.7 machine. If this is a VM deployment, the following should be available in customer's VM datastore: <ul style="list-style-type: none"> <li>• Latest ISO for VOSS Dashboard server. (Available at <a href="#">VOSS-4-UC Customer Portal</a>. Log in and select DOWNLOADS.)</li> <li>• CentOS 7.7 x64 minimal ISO. (Available at <a href="http://isoredirect.centos.org/centos/7/isos/x86_64/">http://isoredirect.centos.org/centos/7/isos/x86_64/</a>)</li> </ul>	Critical
3	Firewall rules	All the required traffic rules are applied to customer environment based on the firewall matrix provided by VOSS deployment Team.	Critical
4	Internet access	Internet access is enabled for the DS9 during implementation. Once the implementation is over, internet access is no longer required.	Critical
5	Round trip times (RTT)	RTT time between the DS9 and Dashboard Server is not more than 100msec.	Critical
6	Netflow configuration	Netflow sources are configured to send their Netflow data to VOSS DS9 Servers based on the suggested settings by VOSS	Critical
7	SNMP configuration	Netflow sources are configured with SNMP v1 or 2c or v3.	Critical
8	Netflow and SNMP details	Following information is provided to VOSS deployment team: <ul style="list-style-type: none"> <li>• Device IP &amp; Hostname and Netflow version for the Netflow source(s)</li> <li>• SNMP details for Netflow source(s)</li> </ul>	Critical
9	Remote access	Some method of remote access is enabled for VOSS deployment team.	Critical
10	Integration to customer environment	Both DS9 and Dashboard Servers have access to customers data infrastructure for the following services: NTP, SMTP, DNS.	Critical
11	Authentication via existing customer resources	Dashboard Servers have access to customers' existing Active Directory/Identity servers to authenticate users via LDAP or SAMLv2.	Optional

## Requirements

The following list of items needs to be provided to VOSS before the deployment:

ID	Action	Description	Criticality
1	IP Addresses for VOSS components	IP addresses & Subnetmasks & Default IP Gateway settings for all the VOSS Host Machines (DS9, Dashboard Servers).	Critical
2	IP Addresses for Data services	IP addresses for the following services: DNS, NTP, SMTP, LDAP/SAMLv2.	Critical
3	Remote access details	VPN access details for VOSS Team to access the DS9 and Dashboard remotely.	Critical
4	Primary and Secondary contact details	Primary and secondary contact details for technical and project management related items.	Critical
5	Email authentication for scheduled reports	SMTP authentication details for smart host servers.	Optional
6	SNMP community strings, versions and other details	SNMP community strings and protocol versions need to be provided to VOSS for successful SNMP queries.	Critical
7	List of Netflow Sources	Provide VOSS a list of Netflow sources (routers, switches) with the following details: IP addresses, Make/Model, Software Version, Netflow version.	Critical
8	List of IP addresses and Hostnames	A CSV or Excel file that maps certain IP addresses to internal hostnames can help VOSS Team to improve the data visualization experience by mapping IP address fields to hostnames.	Optional