



## Prerequisites

The following sections detail the prerequisites for installing Cisco Elastic Services Controller:

- [Virtual Resource Requirements, on page 1](#)
- [Software Requirements, on page 1](#)
- [Preparing for the Installation, on page 2](#)

## Virtual Resource Requirements

The following table lists the virtual resource requirements for Cisco Elastic Services Controller:

Requirements (for 1000 VNFs/VM management)	Description
Virtual CPUs	4 VCPUs
Memory	8 GB RAM
Disk Space	30 GB

## Software Requirements

The following table lists the software requirements on OpenStack:

Requirements	Description
Supported Browsers	Any of the following: <ul style="list-style-type: none"><li>• Mozilla Firefox 40.x or later</li><li>• Google Chrome 44.x or later</li></ul>

Requirements	Description
OpenStack Version	Any of the following: <ul style="list-style-type: none"> <li>• Newton</li> <li>• Ocata</li> <li>• Queens</li> <li>• Keystone V2 and V3</li> </ul>

## Preparing for the Installation

Before you perform the installation, ensure that you are prepared by reviewing this checklist:

Requirements	Your Information/ Notes
<b>For Pre-installation Configuration</b>	
QCOW image location	
QCOW image	
VM per Instance	
IP address	
Subnet mask	
Hostname	
Domain name	
Gateway IP address	
Admin password	
<b>ESC Release Package</b>	
ESC.qcow2	An image file for booting up the ESC instance
bootvm.py	The installation script compatible with python 2.7.6 and Python 3.4