

# Templates

## What templates are

OnApp templates are used to deploy virtual servers in your cloud. A template is a fully preconfigured operating system environment – a tar + gzip archive that contains the root directory of an operating system. A basic template includes the data needed for a minimum OS installation, but templates may also include applications and additional OS components.

## Windows templates version 4.0

OnApp version 4.0 introduces new Windows templates version 4.x with Cygwin as SSH server (instead of CopSSH as in versions 3.x). These templates are currently in beta.

- New 4.0 templates cannot be used in OnApp version 3.x or below.
- Windows templates version 3.x can be used in OnApp version 4.0 without restrictions.



Windows Server 2003/XP OSs come to their end-of-life on July 14<sup>th</sup>, 2015 and will no longer be supported.

## Types of templates

There are two different kinds of template:

- **System templates** These are provided by OnApp and downloaded from an online library. They comprise an operating system with the latest set of packages installed. Windows 2008 templates require 20GB of free disk space. Windows 2003 templates require 10GB. Most Linux templates require 2–10GB.



Some Windows Templates with additional software may require minimum disk size of 30 GB - e.g. *win12\_x64\_std-sqlweb-ver3.2-kvm\_virtio*.

Minimum disk size for new 4.0 Windows templates is 30 GB (40 GB for templates with MS SQL).

- **Custom/user templates** These are templates you create by backing up an existing virtual server, and converting that backup to a template. This allows you to pre-configure virtual servers (for example with specific OS settings, or pre-installed applications) and use the same configuration again and again.

## Miscellaneous

You can use the following templates for smart servers and baremetal server creation:

OS	Baremetal Servers	Smart Servers
Windows	2008 R2 Standard Edition 2008 R2 Data Center Edition	Windows 2008 x64 STD R2 XEN 3.1
Linux	CentOS 5 64 bit CentOS 6 64 bit Redhat 6 64 bit Debian 6 64 bit Ubuntu 12 64 bit	Debian 6.0 x64



- It is not possible to change or reset the password if the Windows virtual server with Active Directory Domain Controller is used as a domain controller.
- When using Windows 2003 templates, avoid updating drivers via Windows update. Use the latest XEN PV driver for 3.x templates instead. Otherwise, update drivers at your own risk and responsibility.