oVirt

oVirt and its community

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September 2021

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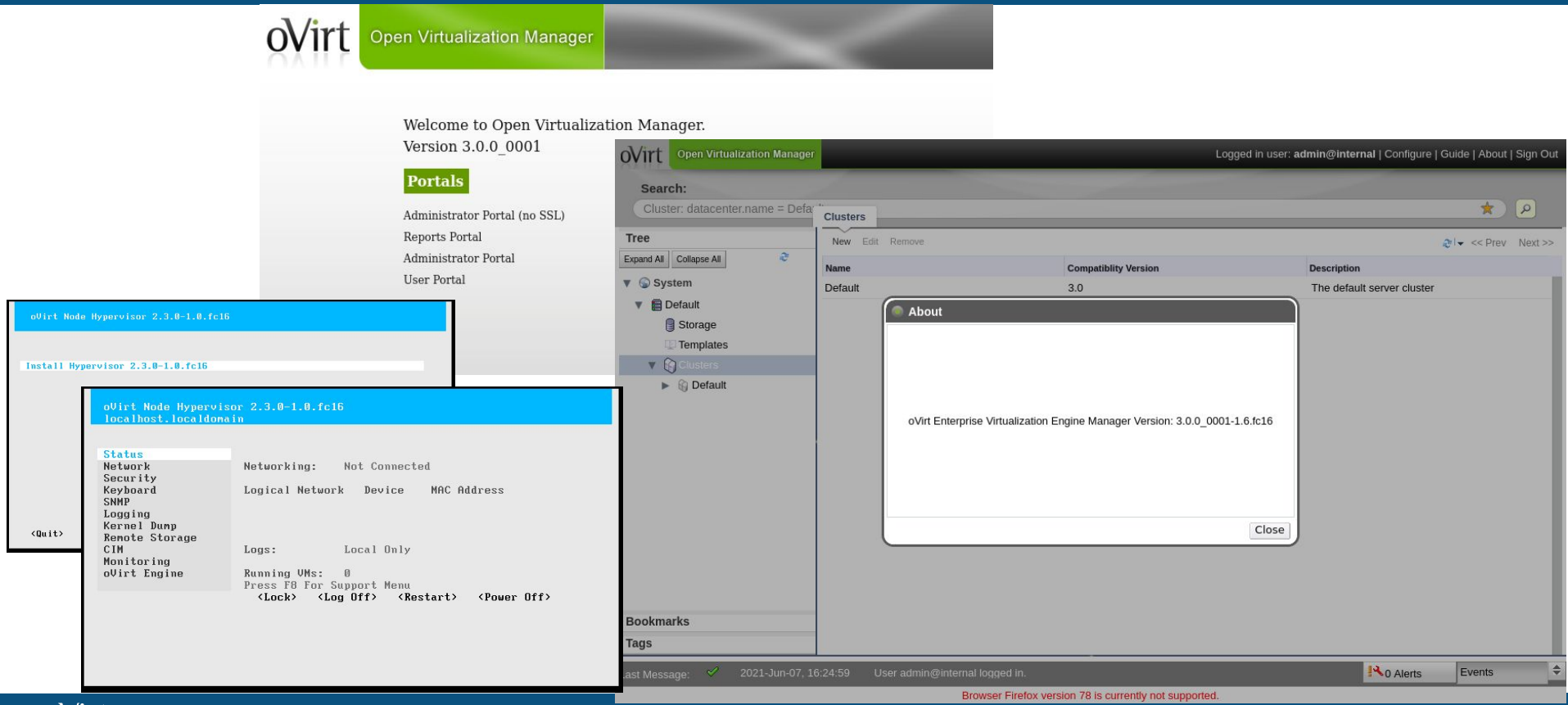
oVirt 2021

Online conference

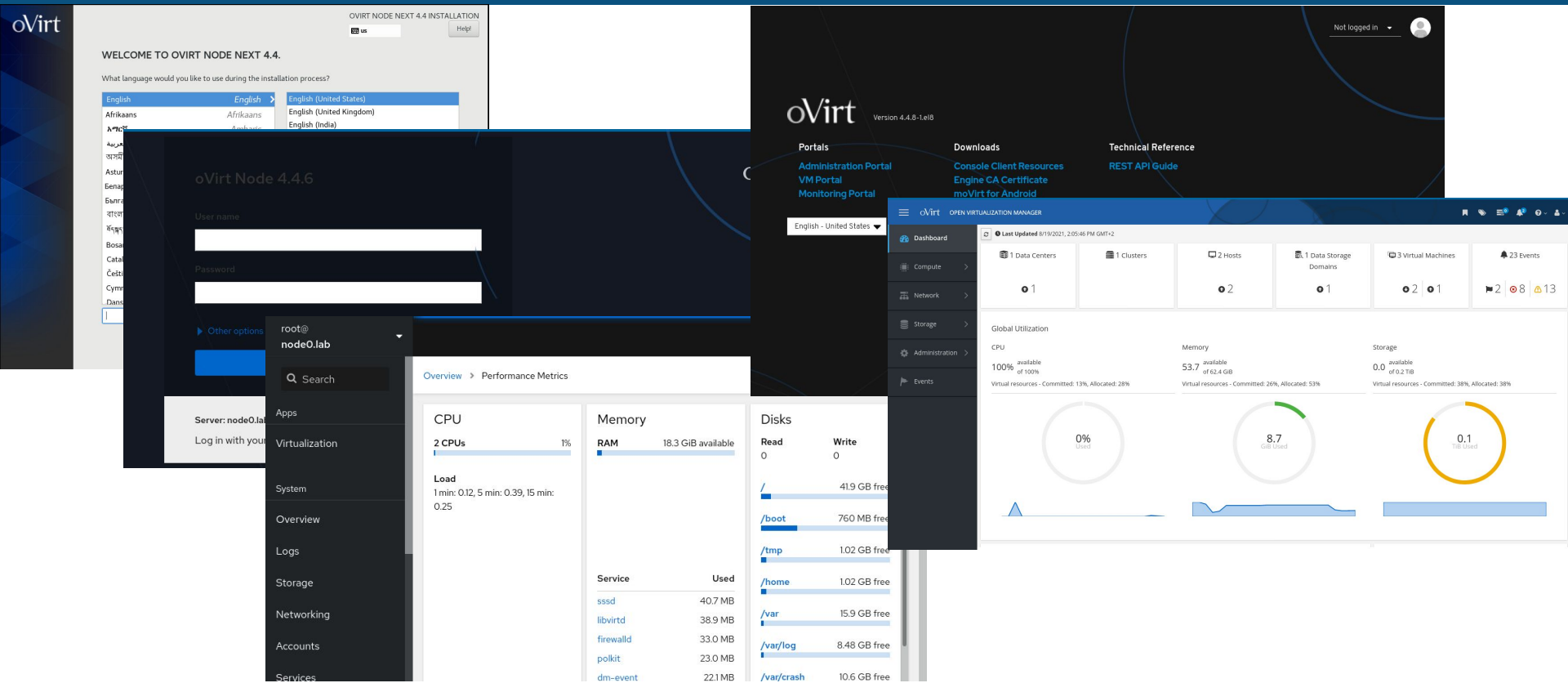
September 14th, 2021

The project

10 years of oVirt as you know it



10 years of oVirt as you know it



10 years of oVirt as you know it

2007
oVirt birth

QUMRANET ACQUISITION
2009

2011

```
ovirt-engine:
commit f669bc8004f0cedfa651a0d52313b48af45552b7
Author: Itamar Heim <iheim@redhat.com>
Date:   Thu Oct 27 21:45:00 2011 +0200

    Introducing oVirt Engine
vdsm:
commit 8e53f0f22f3b52f39f4b47d273c279c9b27f1156
Author: Tabula Rasa <cleanslate@redhat.com>
Date:   Wed Jun 15 23:26:19 2011 +0300

    Initial commit
```

oVirt 3.0
RESTful API
Memory overcommit
2012

2013

oVirt 3.1, 3.2
Windows guests
NUMA

oVirt 3.3, 3.4
RDO Neutron/Glance integration
Hot Plug CPU Affinity management
PPC64LE Support
CloudInit
Enhanced Gluster support
Hosted Engine
ManageIQ
2014

oVirt 3.5
Foreman
Neutron Appliance
oVirt Appliance
oVirt Windows Guest Tools
Optaplanner

2015

oVirt 3.6
Katello
Ansible HostedEngine on Gluster
Cinder, Ceph

2016

oVirt 4.0
CentOS 7
oVirt Node NG with Cockpit

2017

oVirt 4.1
Ansible integration
SDN Native

2018

oVirt 4.2
DR Native
New metrics
Updated UI
Cisco ACI

2019

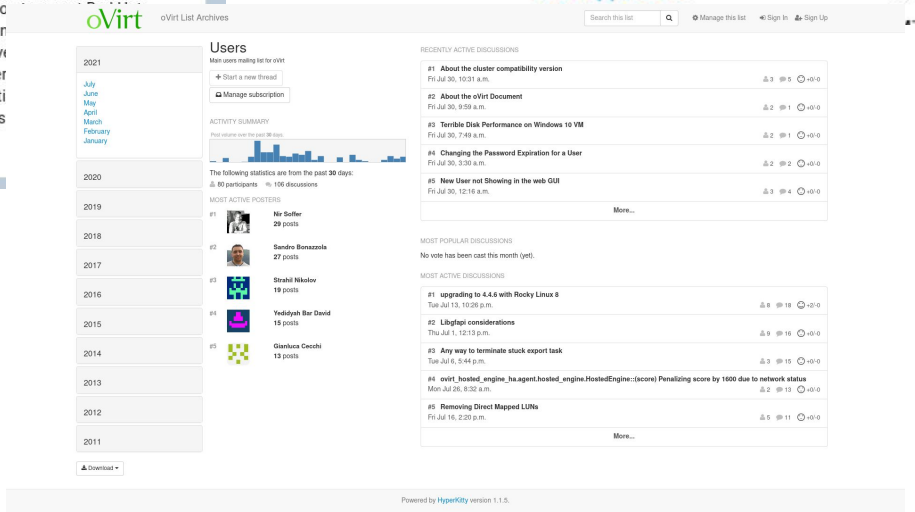
oVirt 4.3
RHEL 8 Guests
GlusterFS 6
Cluster update
Cinderlib tech preview
New hardware
Drop 3.6 / 4.0 compatibility

2020

oVirt 4.4.0
CentOS 8 Node
CoreOS guests
CoreOS Hosts
CentOS Stream
Drop 4.1 compatibility
OKD on oVirt IPI
Patternfly 4

oVirt 4.4.6
GlusterFS 8
Cinderlib
CentOS Stream Node
New hardware
Kubevirt integration
Incremental Backup
2021

The making of oVirt project



Next, you must pick a product on which to enter a bug:

oVirt: oVirt Virtualization Management Projects

cockpit-ovirt:	For bugs related to cockpit-ovirt.
imgbased:	Tool for a specific LVM usage pattern
mom:	Memory Overcommitment Manager is an agent wo
otopi:	oVirt Task Oriented Pluggable Installer/Implementa
ovirt-ansible-collection:	oVirt Ansible Collection
ovirt-appliance:	A raw disk or an ova file that you can import to you

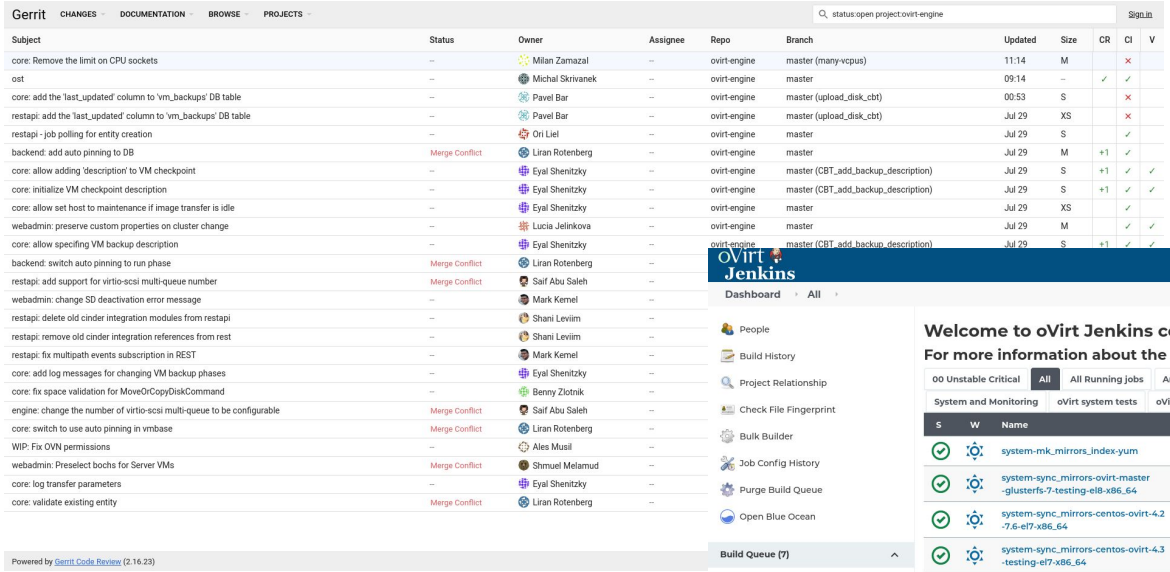
The making of oVirt project

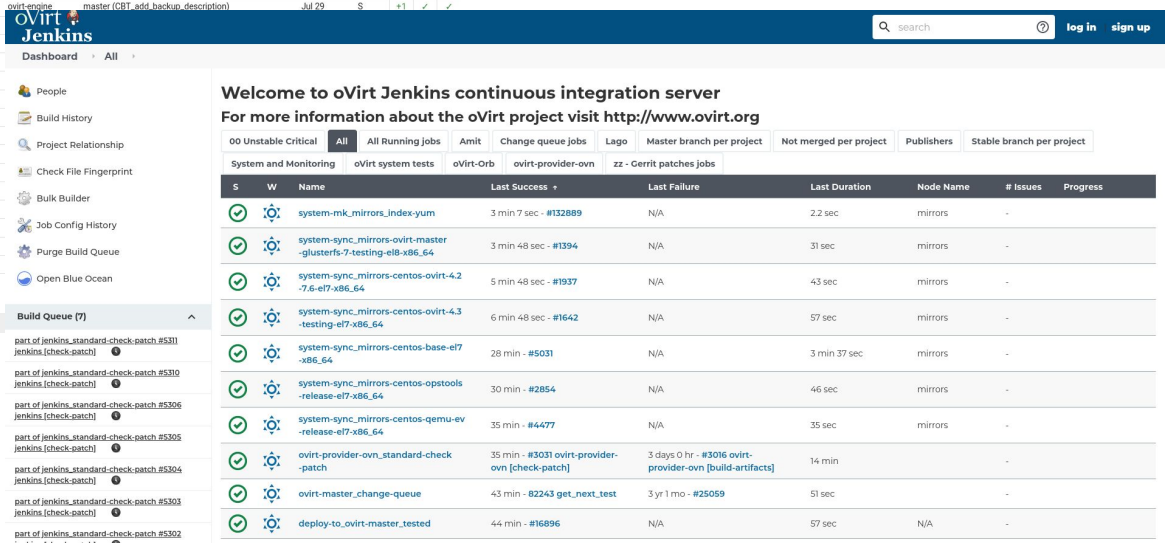
Status: NEW, VERIFIED, ASSIGNED, MODIFIED, ON_DEV, ON_QA, RELEASE_PENDING, POST **Classification:** ovirt **Target Milestone:** ovirt-4.4.8

Show 25 entries Search:

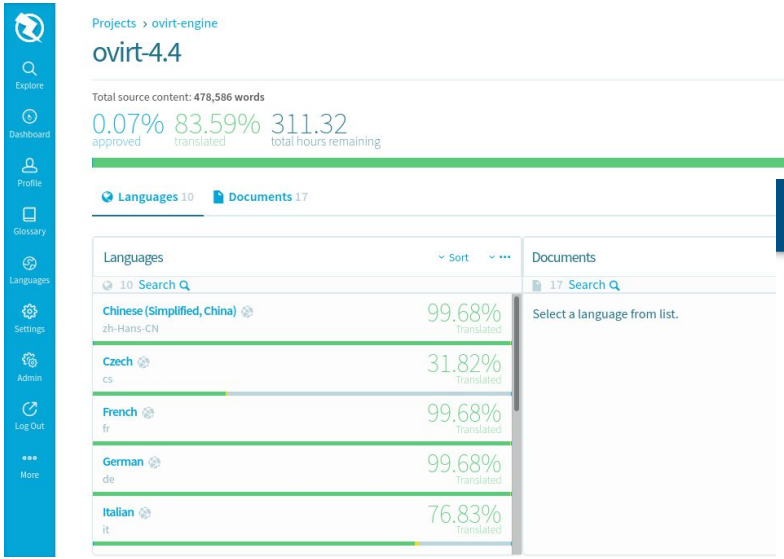
ID	Product	Component	Assignee	Status	Resolution	Summary	Changed	Severity	Priority	votes
1947981	ovirt-ansible-collection	hosted-engine-setup	arachman@redhat.com	NEW		hosted-engine --deploy fails using DHCP option at Check engine VM health	2021-06-16 06:56:39 UTC	high	unspecified	0
1819186	ovirt-engine	BLL.Storage	bkhizgiy@redhat.com	NEW		uploaded image size is not aligned to 4k in db	2021-07-19 06:08:33 UTC	high	high	0
1913764	vdsm	General	vjuranek@redhat.com	NEW		GlusterFS - Failing to assign new Master SD within the same storage type leads to infinite (or long) reconstruction	2021-07-13 11:38:24 UTC	high	high	0
1986299	ovirt-provider-ovn	provider	amusil@redhat.com	ASSIGNED		Ship new ovirt-provider-ovn + python3-ovsdbapp-0.17.5 in RHV 4.4.8	2021-07-27 09:04:04 UTC	high	unspecified	0
1949470	vdsm	General	rbednar@redhat.com	ASSIGNED		Limit the number of pivot retries	2021-07-25 12:32:11 UTC	high	unspecified	0
1949475	vdsm	General	rbednar@redhat.com	ASSIGNED		If pivot failed during live merge, top volume is left illegal, requires manual fix if vm is stopped	2021-07-26 10:09:30 UTC	high	unspecified	0
1975926	ovirt-engine	BLL.Storage	nsoffer@redhat.com	ASSIGNED		hosts become 'NonOperational' after disconnect the storage server's network.	2021-07-27 07:05:24 UTC	high	high	0
1953434	ovirt-engine-sdk-python	Build	oliel@redhat.com	ASSIGNED		Travis broken for python-sdk broken	2021-06-17 08:44:40 UTC	high	high	0
1987295	ovirt-engine	BLL.Storage	eshenitz@redhat.com	POST		Setting host to 'maintenance' will be blocked when there are image transfers with status different then 'paused'	2021-07-29 13:01:55 UTC	high	unspecified	0
1674742	ovirt-engine	Frontend.WebAdmin	ljelinko@redhat.com	POST		Custom Properties silently removed when changing VM cluster	2021-07-29 08:14:13 UTC	high	unspecified	0
1963083	ovirt-engine	Backup-Restore.VMs	eshenitz@redhat.com	POST		[RFE] Support storing user data in VM checkpoint entity	2021-07-27 05:41:32 UTC	high	high	0
1892681	vdsm	General	nsoffer@redhat.com	POST		[CBT] VM will be corrupted during full backup if the user performs reboot inside guest OS of the VM	2021-07-26 10:03:16 UTC	high	high	0
1923178	ovirt-engine	BLL.Storage	pbar@redhat.com	POST		Can not download VM disks due to 'Cannot transfer Virtual Disk: Disk is locked'	2021-07-22 12:45:02 UTC	high	high	0
1971185	ovirt-imageio	Common	nsoffer@redhat.com	MODIFIED		[RFE] Report zero status in dirty extents response	2021-06-21 12:57:06 UTC	high	unspecified	0
1980315	ovirt-engine-dwh	Setup	didi@redhat.com	MODIFIED		Configure Grafana in hosted-engine setup by default	2021-07-29 09:33:00 UTC	high	high	0

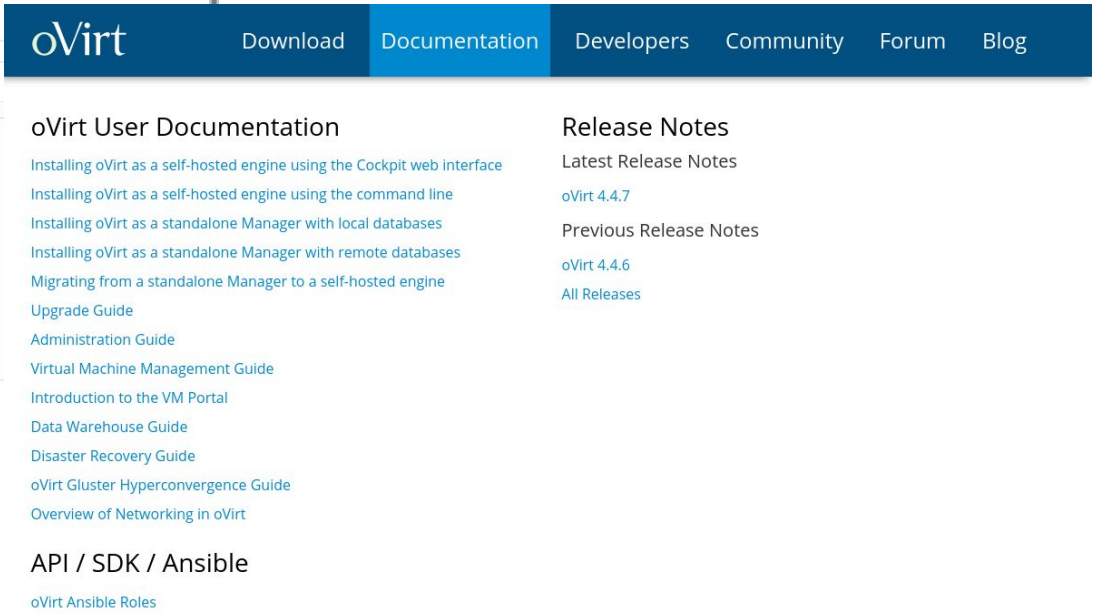
The making of oVirt project





The making of oVirt project





The making of oVirt project

oVirt roadmap

January 2021

> back on the beginning of oVirt 4.4 we switched the development model by introducing new non-substantial features directly within 4.4 maintenance releases.
> So, right now we're missing substantial features to be planned to justify a new 4.5 version.
> You're welcome to join and contribute to help shaping the project's roadmap.

oVirt, CentOS, RHEL and ...

- Base for oVirt Node and Engine Appliance
- Being tested continuously

- Production environment
- oVirt release may require to wait till new RHEL will be available.

- Production environment
- oVirt release may require to wait till new distribution is rebuilt from RHEL or use CentOS Stream in the meantime

If the OS vendor/community is also providing an oVirt downstream you should consider using it

Above represents only oVirt expectations and not those from individual operating systems communities
This is accurate now, may change in the future

oVirt 4.4

CentOS Stream 8

CentOS Virtualization SIG
Advanced Virtualization

Ansible 2.9.24

QEMU-KVM 6.0

Gluster 8.5

Libvirt 7.5

WildFly 23.0.2

Above represents only oVirt status at August 20th

oVirt 4.5

CentOS Stream 8
CentOS Stream 9

Gluster 10.x (?)

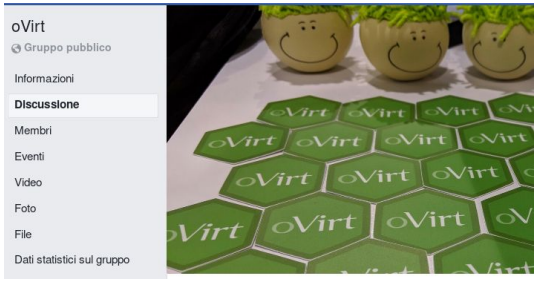
Ceph Quincy (?)

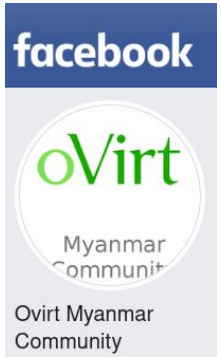
ARM64 support (?)

Intel Cooper Lake processors family

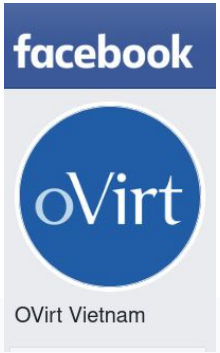
oVirt community updates

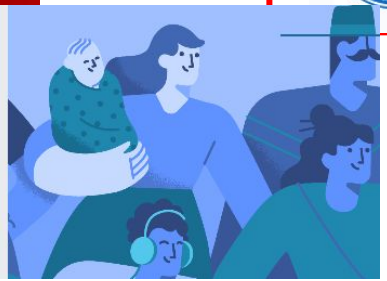
A Global Community





New entries!





Global: 1657(+4.4%) - Myanmar: 529(-1.5%) - Italy: 305(+7.0%) - Korea: 223(+3.7%)
Malaysia: 120(+6.2%) - India: 90(-1%) - Philippines: 41(+2.5%) - Vietnam: 1 (NEW!) - China: unknown (NEW!)

Products based on oVirt

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Who’s using oVirt? User stories

Share your story on
https://github.com/oVirt/ovirt-site/issues

Who's using oVirt (or derivatives) in the world?

Disclaimer: the following is based on data analysis of oVirt user mailing list on Q4 2020 / Q1-Q3 2021 and have not been officially confirmed
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oVirt

Thank you!

https://ovirt.org/

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