



RAVADA VDI PROJECT



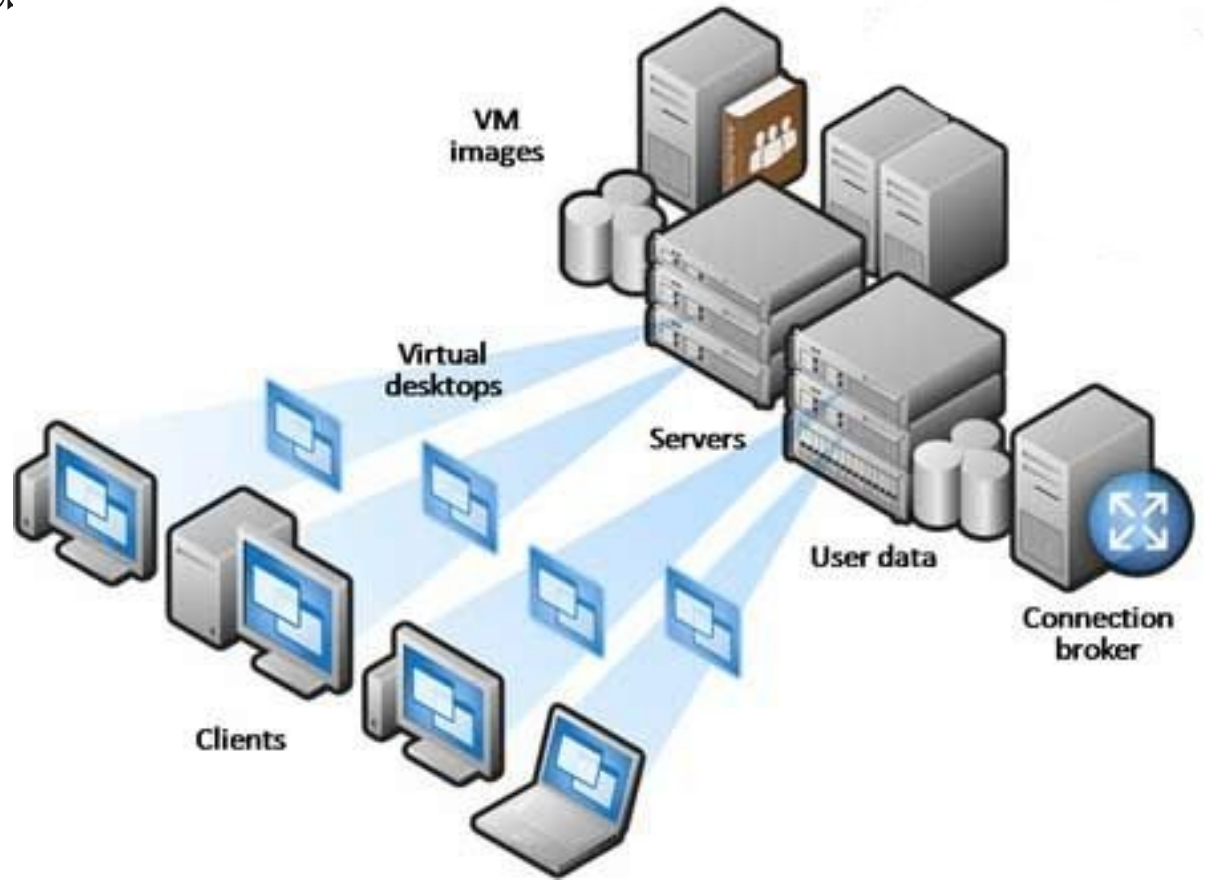
Free, easy-to-use & deploy VDI solution

ravada.upc.edu
@ravada_vdi

PC Management

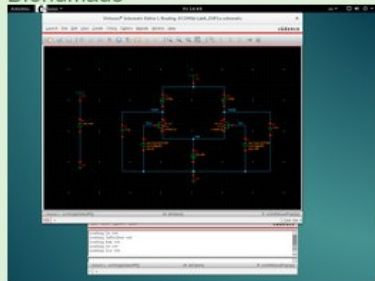


VDI Benefits



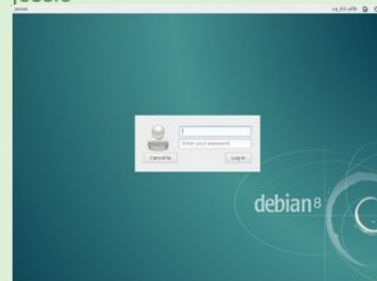
Choose a Machine to Start

Blendmad3



▶ Start

jessie



▶ Start

Mint



▶ Start

action ▼



Win10-DSED

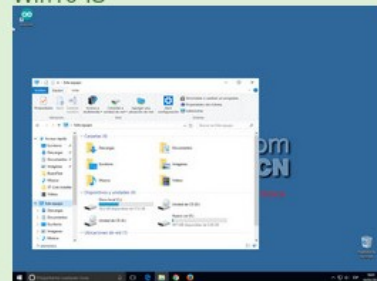


▶ Start

action ▼



Win10-IS



▶ Start

Restore



Win10 VOD.



▶ Start

action ▼




New Machine

From Template

From Machine

Backend 

KVM

Select Template 

Debian Stretch 64 bits

Debian 9 Stretch 64 bits (XFCE desktop)

Select ISO 

/var/lib/libvirt/images.2/debian-9.1.0-amd64-xfce-CD-1.iso

Name

Disk Size: (GB)

20 [Remove swap](#)

The Minimum Disk Size needed for this ISO is 10GB.

Swap Size: (GB)

1


























Ram: (GB)

1

Create

Virtual Machines

[New Machine](#)

Machine Name	hide clones	Base	Public	Status	Actions
Artful		✓	<input type="checkbox"/>	Down	This Machine is a base
Artful-francesc-guasch [Cloned]		<input type="checkbox"/>	<input type="checkbox"/>	Running 127.0.0.1	    
Debian-Jessie		<input type="checkbox"/>	<input type="checkbox"/>	Down	    
j32		✓	<input type="checkbox"/>	Down	This Machine is a base
Windows10		✓	<input type="checkbox"/>	Down	This Machine is a base
Windows10-francesc-guasch [Cloned]		<input type="checkbox"/>	<input type="checkbox"/>	Down	    
Windows10-pepe [Cloned]		<input type="checkbox"/>	<input type="checkbox"/>	Down	    
zesty-fresh-f		<input type="checkbox"/>	<input type="checkbox"/>	Running 127.0.0.1	    

API for Perl and REST



```
for my $domain ($rvd->list_domains) {  
    if ($domain->is_active) {  
        $domain->shutdown();  
    }  
}
```

Tested Sources



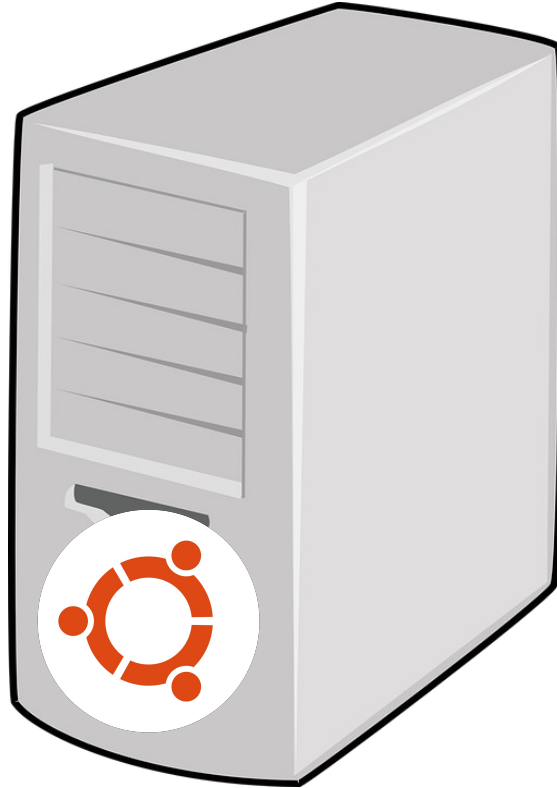
```
t/vm/h10_hibernate.t ..... ok
t/vm/h20_hibernate_req.t ..... ok
t/vm/m10_freemem.t ..... # Testing free mem on KVM
t/vm/m10_freemem.t ..... ok
t/vm/m20_memory.t ..... # Testing free mem on KVM
t/vm/m20_memory.t ..... ok
t/vm/n10_nat.t ..... ok
t/vm/n20_name.t ..... ok
t/vm/t10_timeout.t ..... # Testing timeout for KVM
t/vm/t10_timeout.t ..... ok
t/vm/v10_volatile.t ..... 3/? # Testing volatile for KVM
t/vm/v10_volatile.t ..... ok
t/vm/v20_volatile_clones.t ..... 2/? # Testing volatile clones for KVM
t/vm/v20_volatile_clones.t ..... ok
t/vm/z_101.t ..... 394/? # Testing KVM VM
t/vm/z_101.t ..... ok
t/void/00_create.t ..... ok
```

All tests successful.

Files=93, Tests=10852, 1845 wallclock secs

Result: PASS

Requirements



memory

disk

Memory





Disk



clone



clone



clone

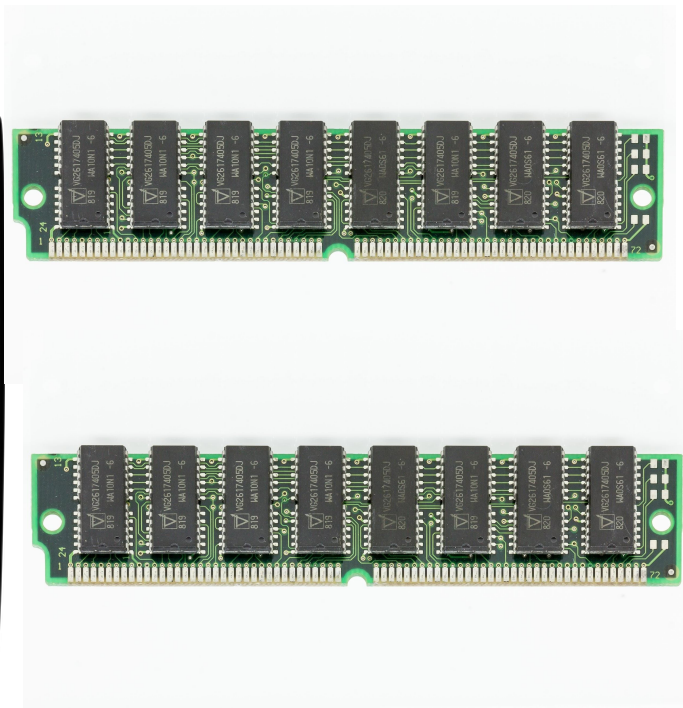
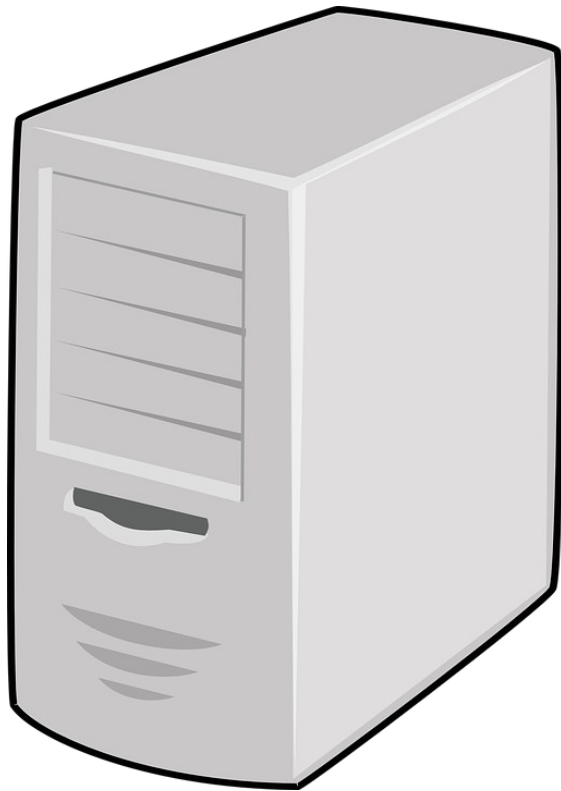
Network



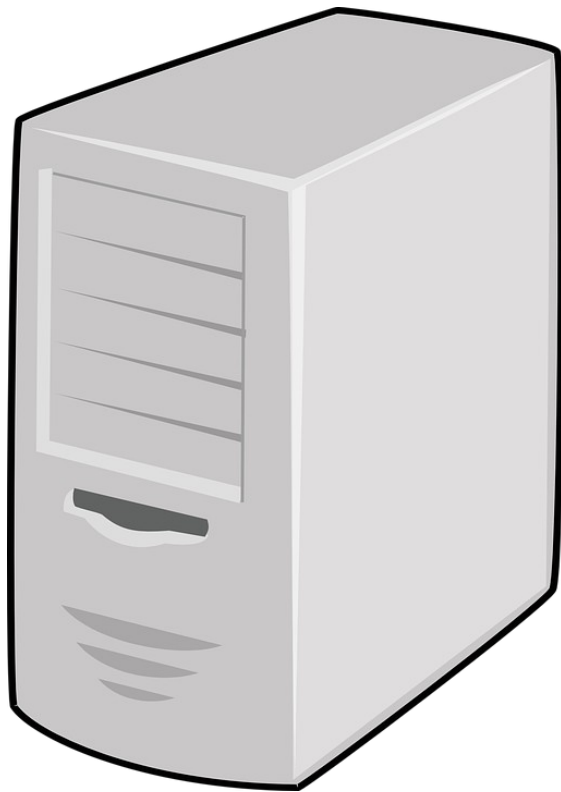
Growing



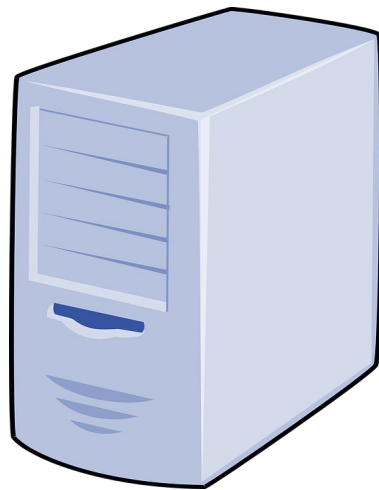
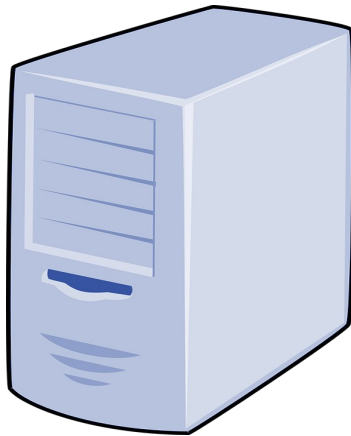
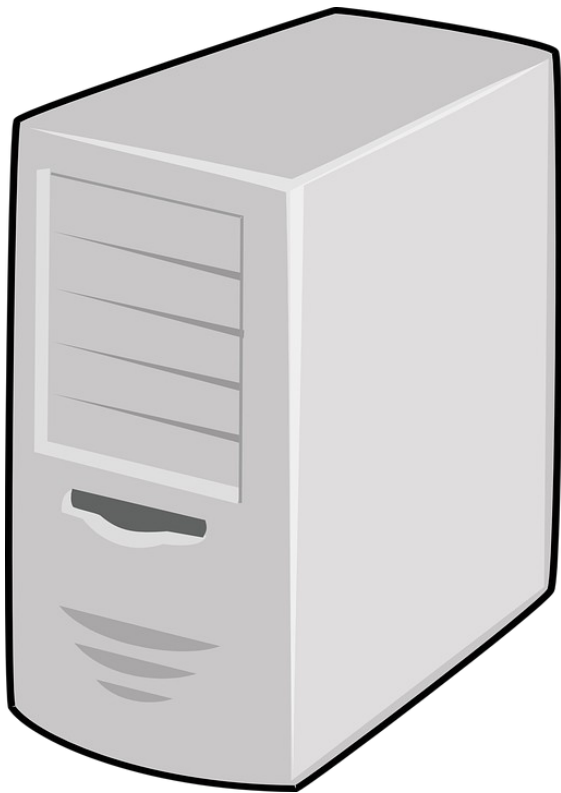
Growing



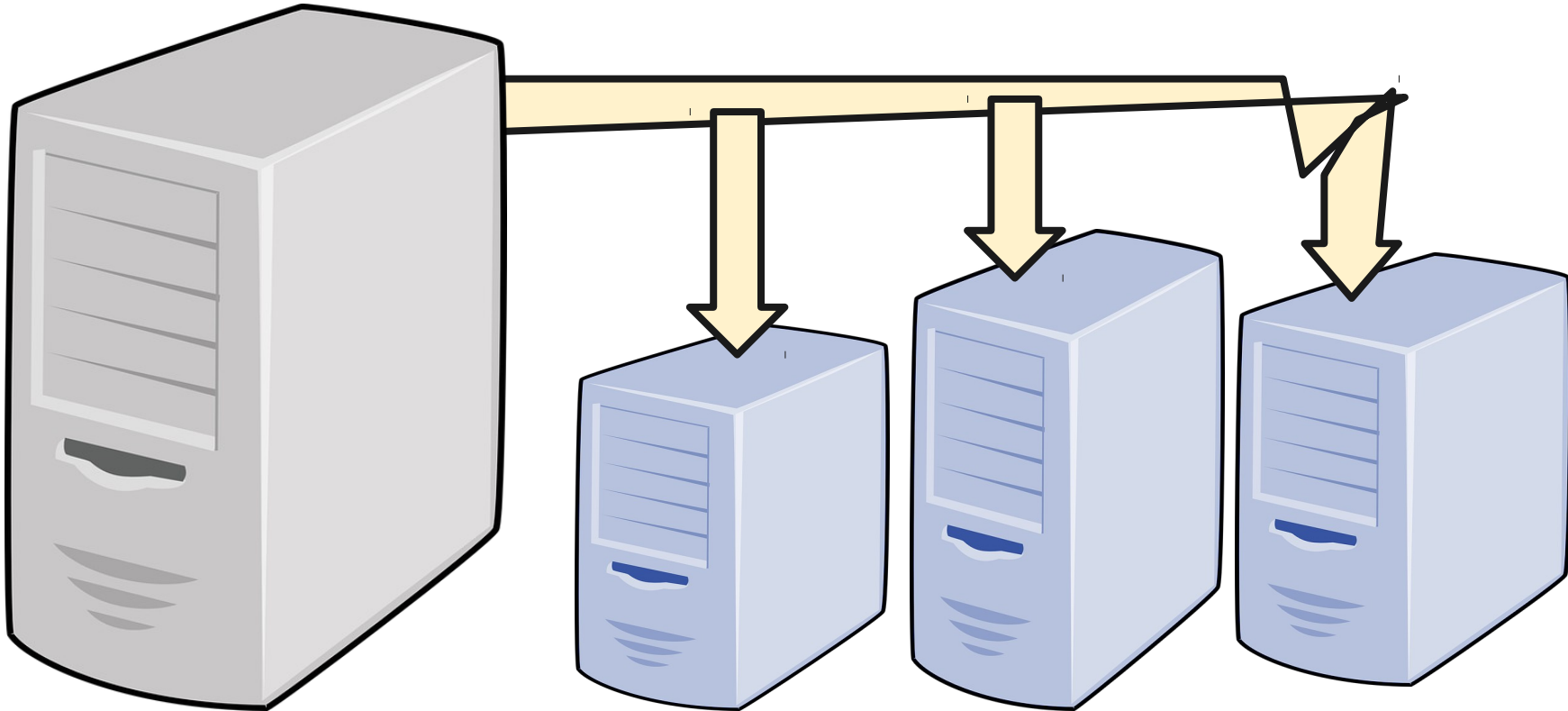
Growing



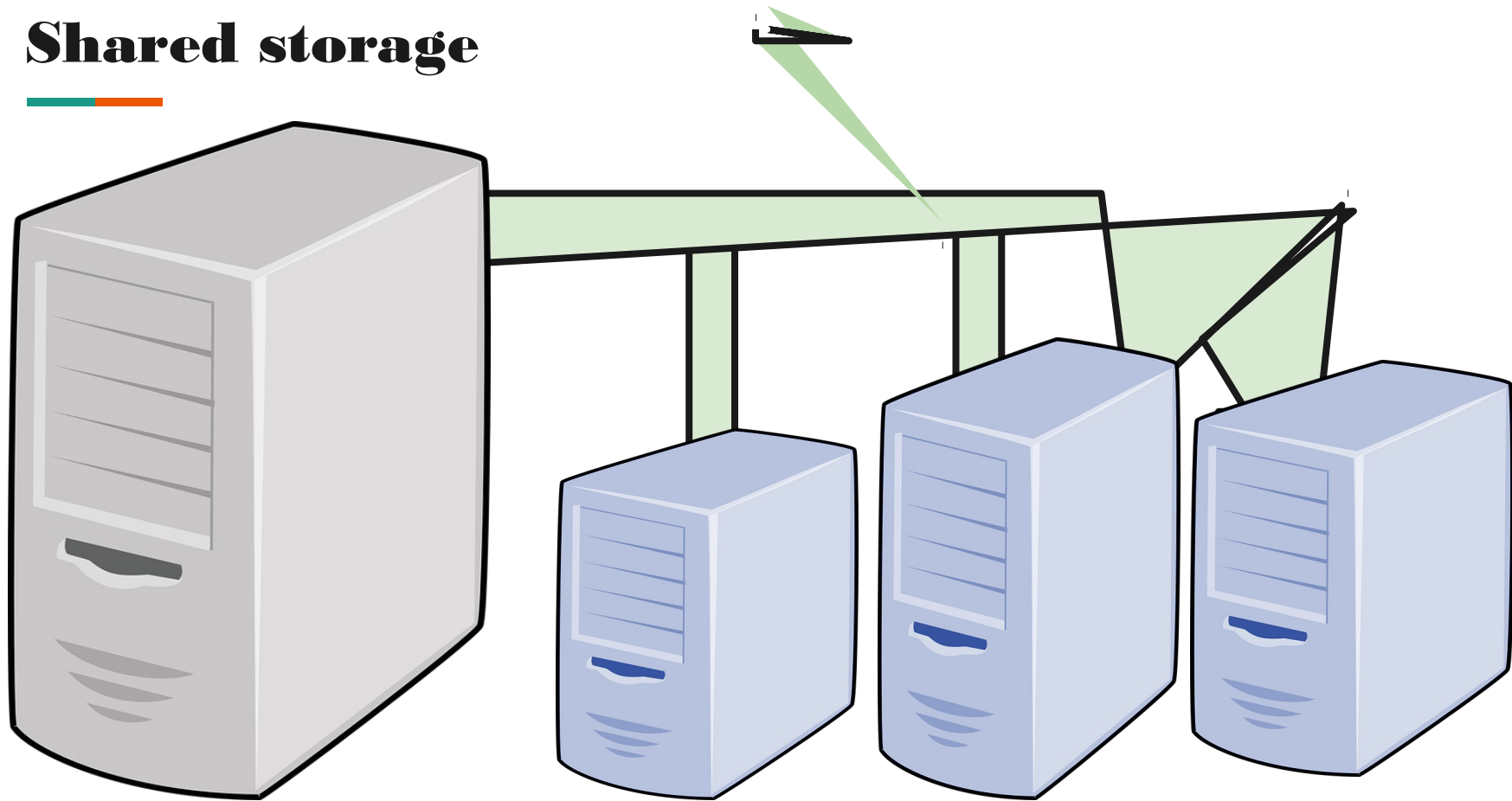
Growing - Nodes



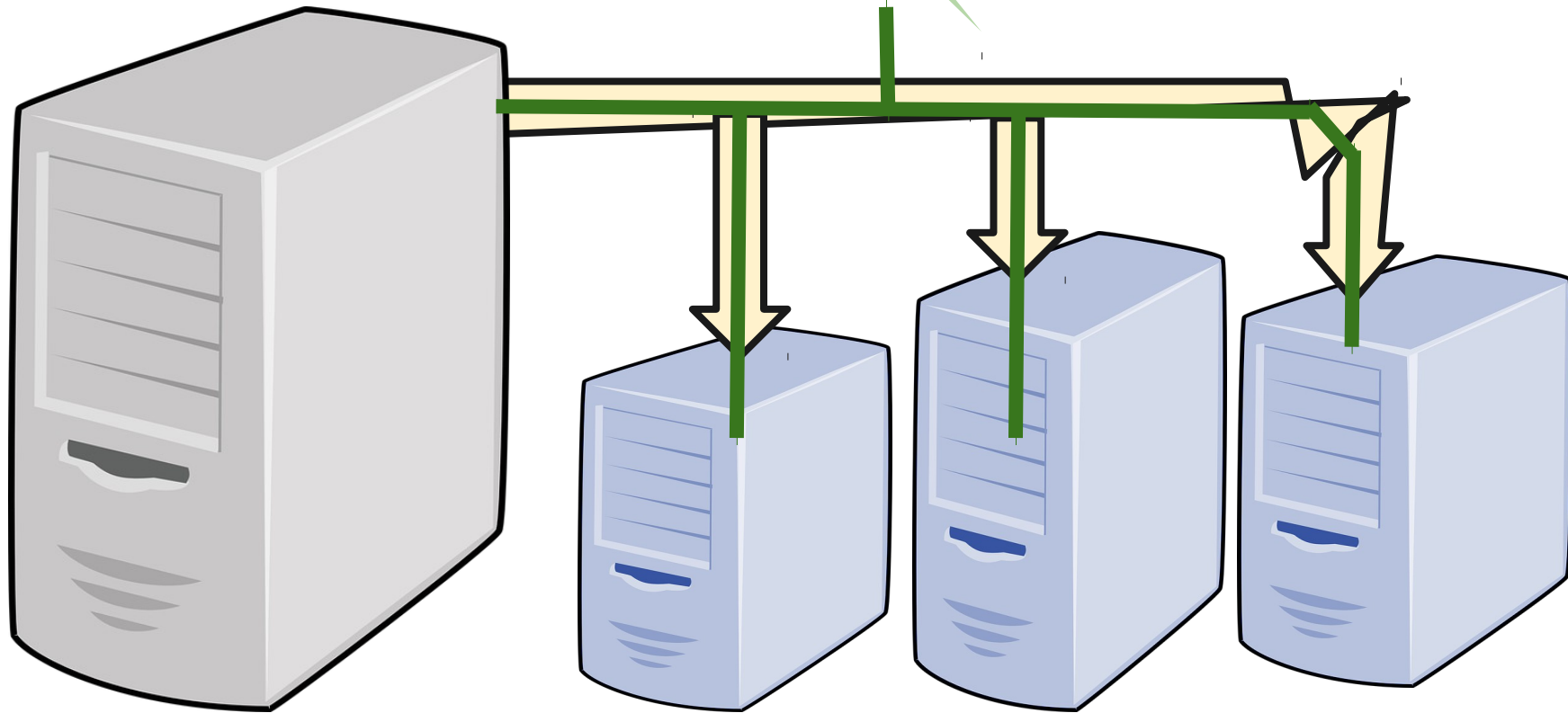
No shared storage



Shared storage



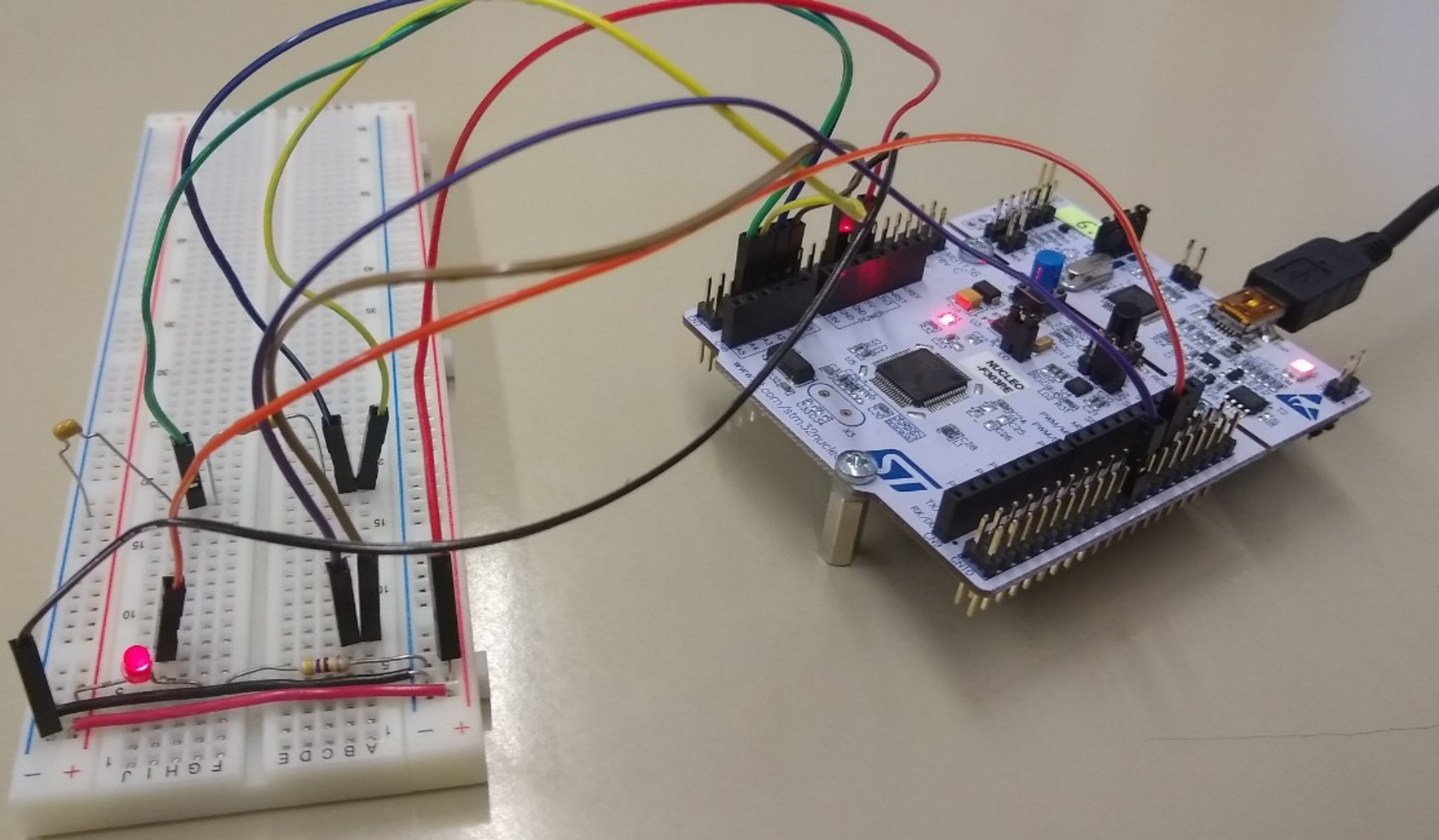
Hybrid storage



Use cases

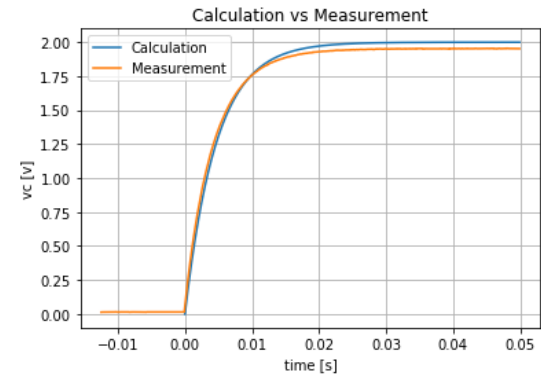


- Telecommuting
- Students labs
- Licensed Apps
- Software difficult to install
- Kiosks



Video / Audio / USB to **Remote** Virtual Machine

```
In [8]: tm = data[0] # Get time from measurement data  
vcm = data[2] # Get vc on ADC2 from measurement data  
  
# Compare with calculations  
slab.plotnn([t,tm],[vc,vcm],'Calculation vs Measurement'  
            , 'time [s]', 'vc [v]', ['Calculation', 'Measurement'])
```



We stand on the
shoulders of
giants



MariaDB



KVM



libvirt

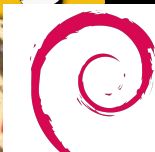
VIRTUALIZATION API



Perl



mojolicious





Public Money

Public Code

publiccode.eu



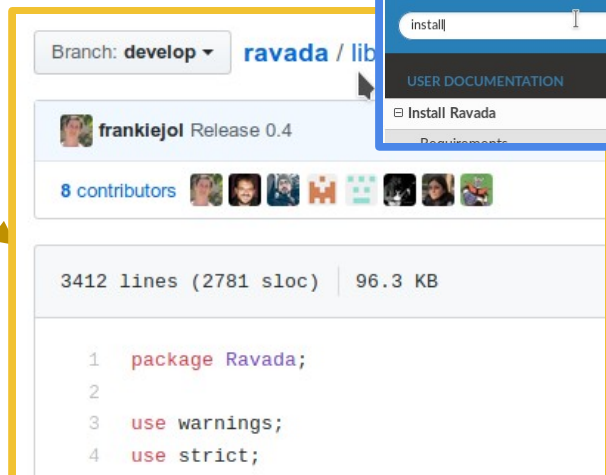
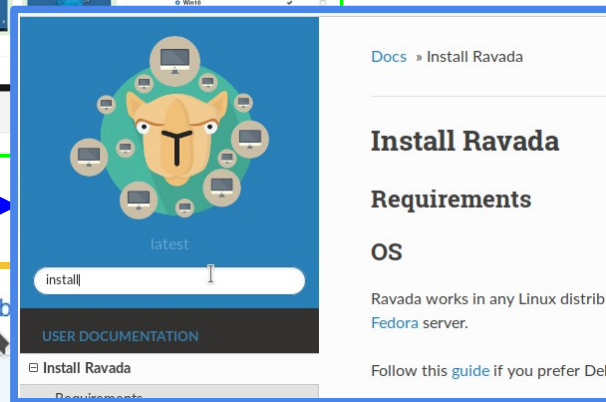
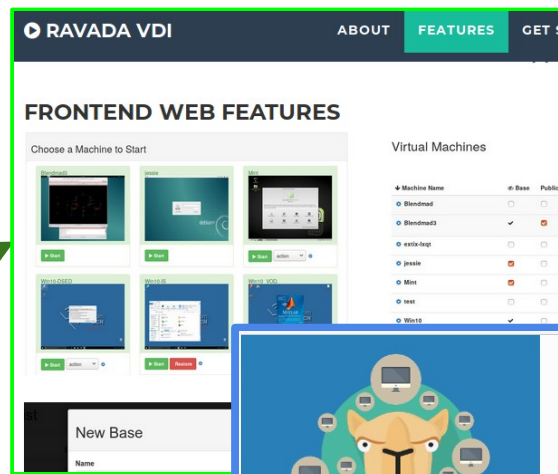
Open Source Tools



github

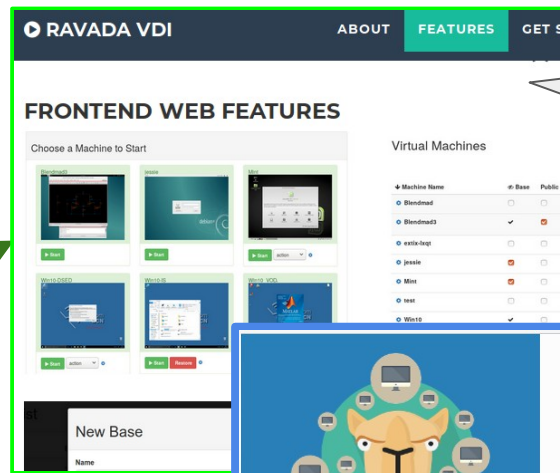


github



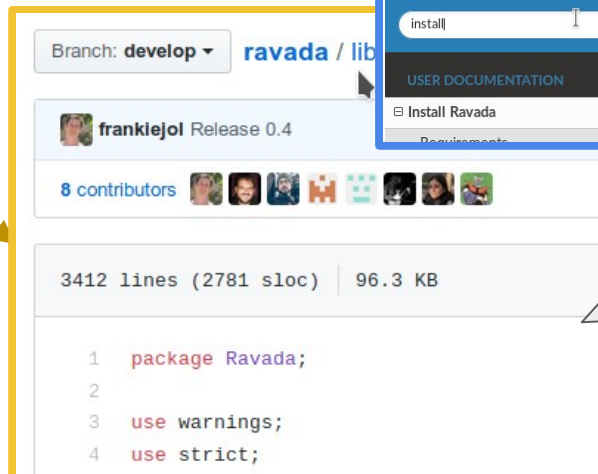
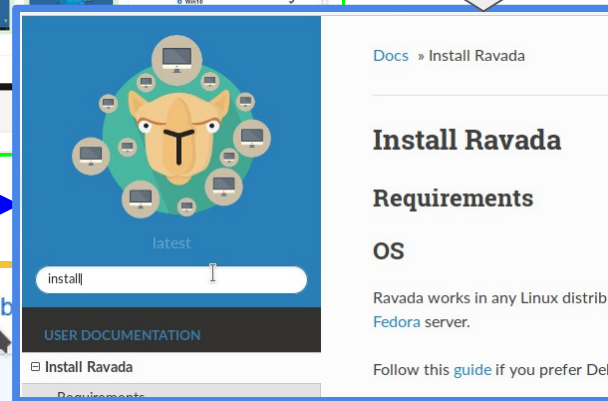


github



web

docs



source

<> Code

! Issues 87

Pull requests 3

Filters ▾

is:issue is:open

Labels 15

Milestones 3

New issue

☐ ! 87 Open ✓ 486 Closed

Author ▾

Projects ▾

Labels ▾

Milestones ▾

Assignee ▾

Sort ▾

☐ ! TLS Spice fails with self signed certificate documentation

#1030 opened a day ago by frankiejol

☐ ! Login failed message without translation

#1028 opened 4 days ago by dani-sanchez-dorado

2

☐ ! New language Vietnamese frontEnd


#1027 opened 5 days ago by amparorvd


☐ ! Anonymous users don't get deleted

#1023 opened 8 days ago by serk12

☐ ! Manage network interfaces enhancement

Docs

 **Read the Docs**

 fv3rdugo

Projectes >
ravada

Visualització de documents

Visió de conjunt

Descàrregues

Cerca

Construccions

Versions

Admin

Your project, ravada, needs to be reconfigured in order to continue building automatically after January 31st, 2019. For more information, [see our documentation on webhook integrations](#).

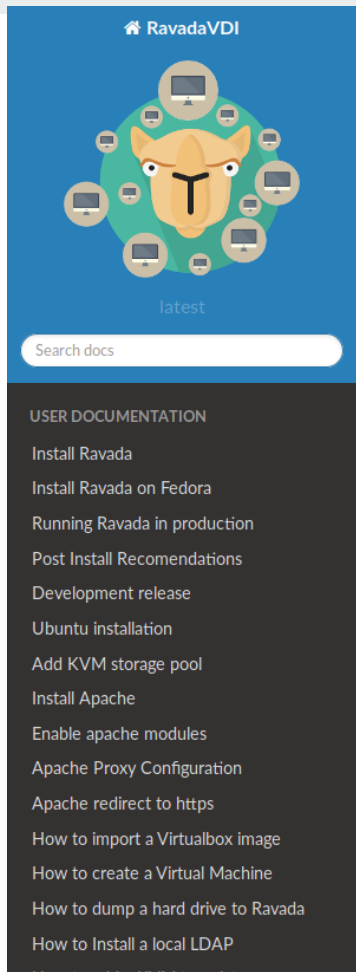
Active Versions

latest	gh-pages	Públic	Edita
stable	be4ff403	Públic	Edita

Automatic
rendering of
Documentation

based on
branch
gh-pages

Docs



[Docs](#) » Welcome to Ravada VDI documentation

[View on GitHub](#)

Welcome to Ravada VDI documentation

The chances are you're here because you've been searching for free Virtual Desktop Infrastructure (VDI) documentation. Whether it is a large or a small project, you can start with VDI and see its benefits right away! We assume you do want to start your VDI project as quickly as possible. Therefore, RAVADA VDI is the perfect software for you!

Ravada VDI is an open-source project that allows users to connect to a virtual desktop. So it is a VDI broker.

Ravada delivers

By following the documentation and editing some configuration files, you'll be able to deploy a VM within minutes.

Who is Ravada meant for?

Ravada is meant for sysadmins who have some background in GNU/Linux, and want to deploy a VDI project.

Note

Get started with VDI, without reinventing the wheel.

We have written some documentation and hosted it on [Read the Docs](#) for you. This documentation is *on-going*, so if there is something you think is missing, don't hesitate and drop us a line! In the meantime, we are still improving RAVADA VDI and its documentation, so new sections will be popping out from time to time.

transifex.com

transifex

Dashboard

Teams

Reports

Orders

Community

📁 Ravada

Overview

Languages

Resources

Announcements

Context

Settings



Ravada

Assigned to [Ravada team](#)

250

Total source strings

● 23.73% Reviewed ● 34.82% Translated ● 65.18% Untranslated



Internationalization

Language: English ▾

New Password


Confirm Password

Current Password

Submit

- English
- Catalan
- Spanish
- German
- Galician
- French
- Hindi
- Indonesian
- Persian

```
48 msgid "Prepare Base"
49 msgstr "Preparer Base"
50
51 msgid "Clone"
52 msgstr "Cloner"
53
54 msgid "Can't Prepare Base, Remove Base nor Delete. Machine has"
55 msgstr "Ne peut pas préparer la base, retirez ou effacez la base"
56
57 msgid "Clone/s"
58 msgstr "Clones"
59
60 msgid "NEW"
61 ms
62
63 ms
64 ms
65
66 ms
67 ms
68 ms
69 ms
70 ms
71
72 msgid "Available Ma
73 ms
74
75 ms
76 ms
77
78 ms
79 ms
80
81 ms
82 ms
83
84 msgid "Messages"
85 msgstr "Messages"
86
87 msgid "Mark all as Read"
88 msgstr "Marquer tout comme lus"
```



Package Downloads*



+150 downloads October

<https://ravada.upc.edu>

ravada@telecos.upc.edu



<https://github.com/UPC/ravada>



[@ravada_vdi](https://twitter.com/ravada_vdi)



<https://t.me/ravadavdi>