

Pintexx Workplace 4:

New features

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1 Platforms

The platforms for version 3 and 4 are different.

Although the application versions can be upgraded from version 3 to version 4, not all features are available.

Limitation in version 3:

The underlying operating system cannot be updated.

Features like automatic disk size adjustment and others are not available.

It is therefore recommended to switch to version 4 as soon as possible.

A migration tool is available for download for this purpose.

With the help of the migration tool, essential settings can be adopted.

2 Provision of Windows applications WITHOUT terminal server

With the new version it is possible to provide Windows applications in the VM (i.e. under Linux) like in a terminal server.

Each user gets their own independent instance. This can be ended again after a configurable period of inactivity.

The administrator can load the Windows application onto the VM, install it there using 2 templates to choose from and create their own image.

3 2-factor for OWA and integration in Cockpit with Single Sign On

With the help of the new features, OWA (Outlook Web Access) can be integrated into the cockpit. For this purpose, public access to OWA will be switched off.

OWA can only be accessed via the cockpit using a special mechanism. Therefore, all available 2-factor methods such as e-mail, radius, Google Authenticator, SMS and the electronic ID card can be used.

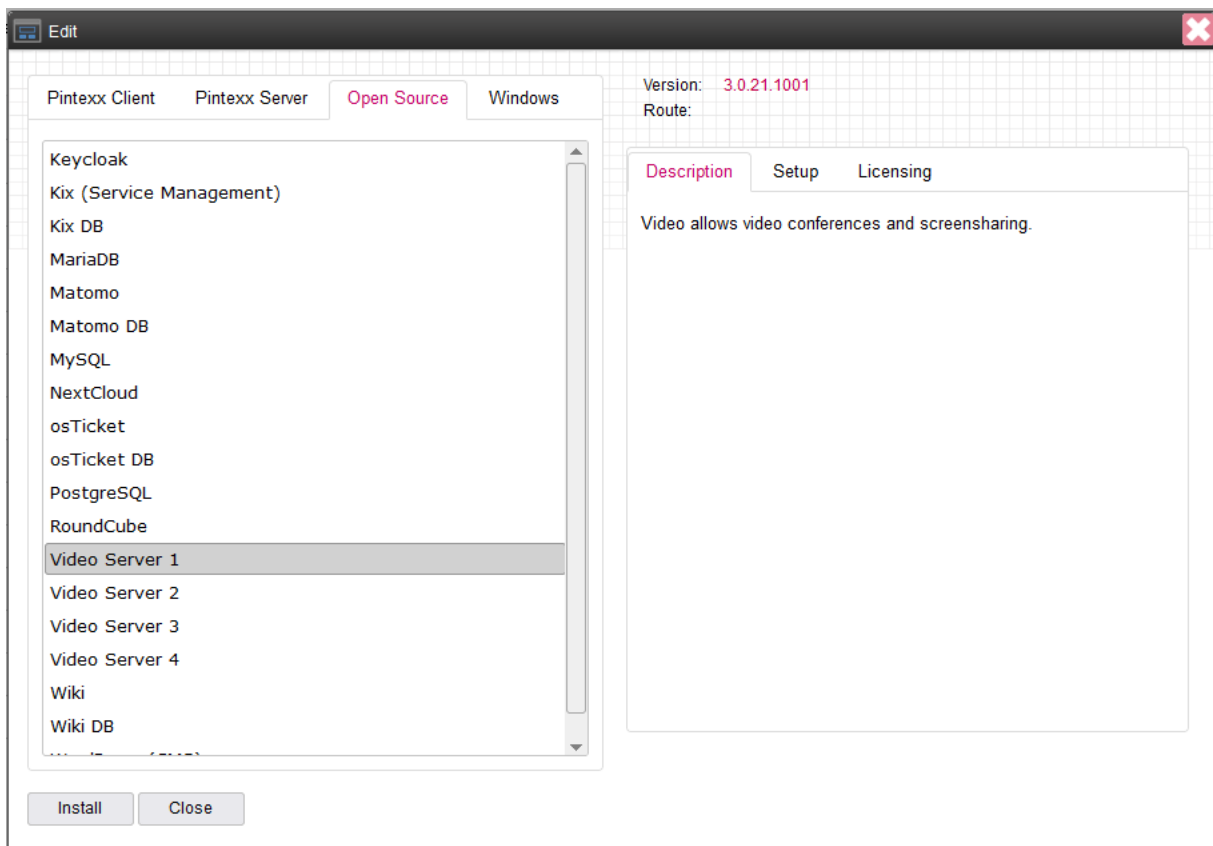
In the latest version, the cockpit acts as an IDP (Identity Provider) and therefore also supports access via the SAML protocol via single sign-on (single sign-on).

4 More than 50 applications can be installed at the push of a button

The Pintexx Workplace platform allows the integration of almost all Docker-enabled applications. The integration of the Docker container can be easily defined via an XML repository.

Pintexx applications, open source applications and Windows applications are available.

The applications can be installed via a selection list.



The admin also has the option to create their own repository.

5 More features

5.1 New platform

The VM is based on the latest Ubuntu 22 LTS version. All other components are up to date.

5.2 Platform Manager

SYSTEM became the platform manager.

5.3 New Applications

In order to make the platform more independent of operating system changes, all possible applications were transferred to Docker applications.

These include:

Console (terminal access)
Update (platform manager update)

5.4 Load Balancer

The new system now also includes its own load balancer for load balancing and failover functions.

This makes it possible to provide the cockpit and REMOTE in one HA version and to scale it almost at will.

5.5 Monitoring via Zabbix

All VMs can be monitored via the compact Zabbix application.

5.6 Dash board

New information has been added to the platform manager overview.

The screenshot shows the Pintexx Administrator interface. At the top, a dark header bar displays a user icon and the text "Administrator". Below this, the main content area is divided into two sections. On the left is a vertical sidebar menu with the Pintexx logo at the top. The menu items, each with an icon, are: Dashboard (selected), System Control, Software Packages, Package Networks, Routes, Sub Domains, Security, and Logs. The right section is titled "Dashboard" with an information icon. Below the title is a question mark icon. The main content of the dashboard is a list of system metrics:

Platform:	4	
Domain:	pwtest.pintexx.com	
External IP:	89.58.40.64/	
Internal IP:	89.58.40.64	
CPU usage:	2%	
Memory:	11Gi	Free: 7.5Gi
Disk:	314G	Free: 58%
Uptime (since):	00.20.2022	
OS:	Ubuntu 20.04.4 LTS	
Kernel:	5.4.0-122-generic	
Docker version:	20.10.17, build 100c701	
Nginx version:	nginx/1.18.0 (Ubuntu)	

5.7 System control

A new menu entry was created for controlling the system. This includes all relevant functions for system control.



5.8 Sub Domains

The platform only needs one IP for all applications. This is possible because all Pintexx applications can be accessed via their own subdirectory.

This is not always possible with open source applications, since these are called directly via root.

Sub-domains can therefore be set up so that the application can be called up directly via root, but still does not need its own IP.

5.9 Redirect to Hhttps

Redirecting to https is now done directly through the proxy.

5.10 Automatic disk expansion

The size of the VM hard disk can be expanded via the hypervisor, e.g. to create new hard disk space for new applications.

After a reboot, the hard disk size of the VM is automatically adjusted.

5.11 Other optimizations

Many other optimizations have been made.