

# Pharos server installation at premises

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## ATTENTION !

**ALL DATA and SOFTWARE WHICH MAY EXIST ON THE HARD DISKS OF THE COMPUTER USED FOR THE INSTALLATION WILL BE ERASED DURING THE INSTALATION WITHOUT ADDITIONAL WARNING!**

**DO NOT RUN THE INSTALLATION IN CASE TARGET HARDWARE HAS VALUABLE DATA AND SOFTWARE!**

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## Introduction

The material refers to the in-house server installation option. It is not applicable to the cloud computing.

Windows means any version of Microsoft Windows 7 or 8 or 10.

## The requirements

### Server hardware

1. Any computer (64 bit architecture), CPU above 1 GHz, 4 GB or more RAM (2 GB may be sufficient in small applications)
2. Hard disk above 50 GB
3. One network adapter
4. Bootable device such as CD-ROM or USB for installation
5. At least one USB port may be required if server backups are required on flash locally
6. No special requirements for graphic adapter.

### Main hardware compatibility test

The server: The Ubuntu Server software v. 14.04 or 15 is installed and runs.

**User devices:** at least one PC or notebook running under MS Windows or Ubuntu Desktop is required for installing Power Client. The mobile tablets or notebooks under Android, Linux, IOS and Windows can be used for running Light Clients in the browsers.

**Network:** LAN or WLAN is required for Internet for connection between user Pharos Navigator clients and server. The communications are secure based on https and web sockets.

## Installation procedure

- The server software shall be installed locally on your computer from its distributive file on bootable media.
- The computer should have monitor connected during the installation or reinstallation and is not required for running the Pharos server afterwards. There is no root access to its operating system “Ubuntu server”.

Note: The root login option may be enabled in application testing stages for handling complex debugging under explicit request of the particular customer. It will be removed in the final release of the server to ensure the server and data protection.

- Internet connection is required during the whole period of server installation including all its components. The automatic updating is scheduled and initiated by the server daily during night time after 23:00 by default. The regular Internet connection to Portal Central is required accordingly to Server License Agreement at least once per week for updating the software. In case of the local organizational policy restricting server connection to Internet due to sensitivity of application data, the updating shall be implemented manually without direct connection of the server to Internet. The procedure is implemented as additional service and allows downloading of the updates to separate computer manually, installing it to server, receiving service update confirmation to some third computer and sending it to Portal Central.
- The server installation procedure starts with installation of Ubuntu Server and ends with Pharos Navigator server having overall duration about 30 minutes.
- The installation requires specific knowledge and entering of correct right IP address available within router address space (IP address, mask, gateway, name servers).
- At the final stage of installation you need to enter your server license key which you received in your Portal organization after the subscription for the server service.

## Installation stages

1. **Downloading server distributive:** After subscribing for the server license you obtain access to downloading of its distributive to your computer. The file has standard name “**pharos\_navigator\_version.iso**” and shall be saved on Flash RAM or CD-ROM in a way which allows booting from this media on target server hardware. Additional note “How to write ISO file on CD-ROM or Flash” is available in the section “Support/References and Guides” in your Member area.
2. **Boot** from installation media i.e. CD-ROM or flash on your server hardware
3. The server installation starts with the first menu item “Pharos Navigator server installation”. Press Enter to start the initial installation of the Ubuntu server which runs in silent mode for about 4-5 minutes. Then it stops waiting for the IP address which should be entered manually.
4. **Define your server IP address:** Enter IP for the server for your internal local network, e.g. something like 192.168.0.11 (do not use this example, the number need to be

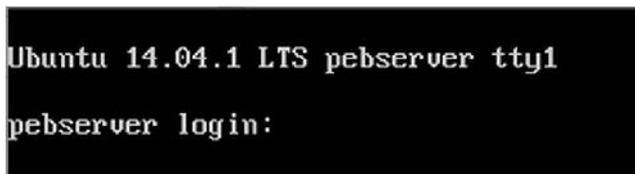
identified by person knowing you router settings). If the entered number is not correct then the server cannot connect to Internet and register at Portal Central causing the need for its reinstallation.

5. **Continue** defining

- Netmask (usually sufficient to acknowledge default setting 255.255.255.0 by clicking “Enter key”)
- Gateway (usually sufficient to acknowledge default setting on the screen by clicking “Enter key”)
- Name server address (usually sufficient to acknowledge default setting on the screen by clicking “Enter key”)

6. After the addresses are entered the installation continues in silent mode till the end for about 20 minutes.

7. **Ending installation:** Wait till the end of the installation which is acknowledged by the Ubuntu server login screen which looks like as follows:



Picture 1: Login screen after the successful server installation

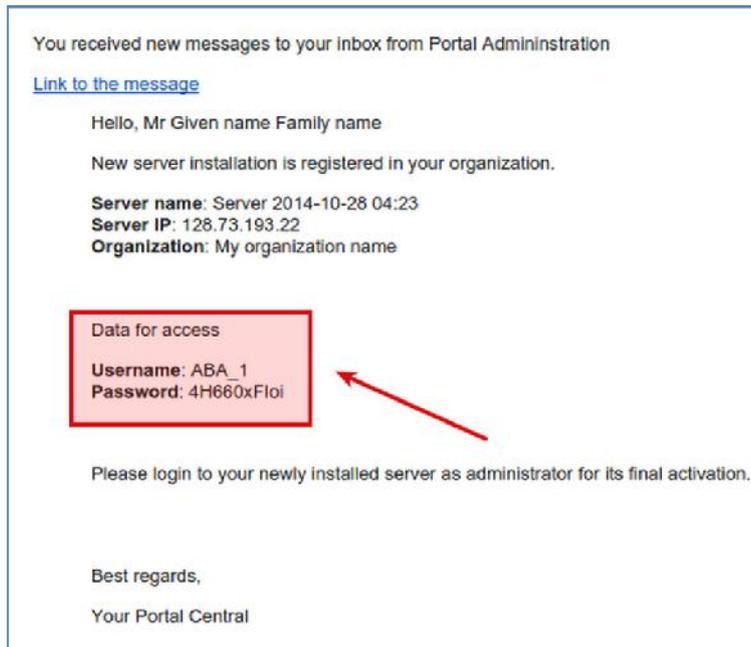
The overall duration of the server installation is up to 30 minutes depending of the server hardware and installation media.

8. **Entering license key code** to the server is made by using some computer or tablet connected to your LAN/WLAN which has the server installed. You need to open any browser on your device and enter following text with IP address of your server e.g. <http://192.168.0.11> to receive the registration form with the message: “Enter license key”. The key code shall be entered into the form appearing in the browser window. The code is available in your Member area at Portal Central in the sections “My Subscriptions/Servers” or “My Organizations/Servers”.

**Note:** While opening the form in the browser you may see initial browser warning that its connection is not secure. Accept it as your browser does not know yet the certificate of newly installed server however after connected it becomes secure automatically.

9. After the receipt of the License Code which you enter into the form, your server connects to Portal Central requesting registration of this subscription and if OK, sends its administrators login and password to Portal Central for the Portal Organization members which had made subscription for the server and have the role of Master of

Supervisor. You may find this information in your Inbox as “New server registration” message which looks as follows:



Picture 2: The Inbox message providing information about ABA login to the server. ABA means Administrator of Business Applications.

The password shall be changed immediately after the first login accordingly to your preferences, please make it complex enough with at least 16 characters having any combination of letters and digits, then write it down and keep safe for your further work with Pharos Navigator server as its ABA.

**Note:** It is recommended to have **different passwords** for your Member login into the Portal and to your new Pharos Navigator server.

10. **First login to the server:** Run your browser and put the link corresponding to your server IP, e.g.

<http://192.168.0.11/desktop/>

(Change IP number in red to the one which was provided to your server)

You should receive prompt for your first login as follows:



Picture 3: Pharos Navigator client login screen

11. Enter your login and password obtained in the message received in Portal Central and if successful, you shall have the server ABA form to enter details of your personal profile on this server used as your ID record for further server logins.

Congratulations! You became the first Administrator of Business Applications (ABA) and user of newly installed Pharos Navigator server.

**Notice:** All Internet connections of your server are made to Portal Central only and are initiated by the server. It means that if you or someone else subscribed for additional services for this server at Portal Central, it cannot be installed automatically until the server makes next connection to Portal Central. By default such connections are initialized each night after 23:00 however in case you need service subscriptions installed promptly you should give server command "Check for updates" making it to connect to the Portal Central.

The command can be found in your Pharos Monitor Admin panel in its section "Updating". When clicked on the word "Updating" the server connects to Portal Central, checks for all updates and subscriptions and installs it automatically.

If you subscribed to all necessary services prior to the server installation everything shall be installed automatically after successful server registration.

Please check the installed services in **Admin** panel, section **Server Management**, and sub-section **Components**.

**Next step:** The installation of Power Clients, which is described in separate document.