

Tiger SPACES

Tiger Spaces 4.2 Release Notes

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This document provides release information for Tiger Spaces version 4.2. It discusses new features in this release as well as fixed and new known issues.

What's New in Version 4.2

Tiger Spaces High-Availability Cluster

You can now deploy Tiger Spaces with high availability. For the purpose, even if your workspaces depot consists of network shares only, you need to install Tiger Spaces on both nodes of a Tiger Store server set up for high availability. Both Tiger Spaces server nodes will be accessible from client computers through a common cluster IP address you need to specify. You should also configure the access to a computer, acting as a database server and managing the Tiger Spaces database. Should the currently active Tiger Spaces server node fail for some reason, the standby server node automatically connects to the database server and takes over processing clients' requests for access to the workspaces depot.

For details on setting up Tiger Spaces with high availability, refer to the Tiger Spaces User's Guide.

Configure Database Server

Tiger Spaces uses a database managed by a computer running Microsoft SQL Server. With version 4.2 you can use as a database the Tiger Spaces server computer itself or another computer. Choosing another computer as a database server allows you to deploy Tiger Spaces with high availability. This way, if the active Tiger Spaces server node fails, the standby node automatically connects to the database server and takes over processing requests for access to the workspaces depot. Assigning a separate database server is useful even without high availability activated, as it allows you to resume work within your Tiger Spaces network as soon as you install and activate Tiger Spaces server on a new computer.

For details on configuring the access to the Tiger Spaces database server, refer to the Tiger Spaces User's Guide.

Configuration Wizard

To facilitate you in performing the initial setup of your Tiger Spaces server, version 4.2 includes a Configuration Wizard, which guides you through the following steps:

- Configure the access to the Tiger Spaces database.
- Activate the product.
- (optional, if the Tiger Spaces computer is in a domain) Specify the Active Directory domain.
- (optional, if high availability is activated) Configure the high-availability cluster IP address.

For details about accessing the Configuration Wizard and performing the initial setup, refer to the Tiger Spaces User's Guide.

Access to the Web Interface Through Secure HTTP

In order to improve the stability of the Tiger Spaces web interface, from version 4.2 the access to it is performed through secure http connection (https), instead of TCP port 8480. Thus, when you want to access the web interface of your Tiger Spaces server, you need to enter the following in the address field of your web browser:

```
https://[IP address of the Tiger Spaces server]
```

In order to provide secure connection from the Tiger Spaces web server to the browser, the computer running Tiger Spaces must have a signed SSL certificate. In case your Tiger Spaces server doesn't have a signed SSL certificate installed, you can still access the web interface, by adding a security exception for the Tiger Spaces web interface in your web browser. Additionally, on any version below 11.1.1 of Safari web browser, you may have to specify that the connection to the Tiger Spaces web server should always be trusted, in order to ensure the smooth operation of the web interface. For more details, refer to the documentation of the particular web browser you are using.

Enable/Disable Exclusive Mounts of Workspaces

With version 4.2 you can control whether the option to mount a workspace exclusively is available to Tiger Spaces clients. For more details, refer to the Tiger Spaces User's Guide.

Specify New Workspace Defaults

By default, when you create a new workspace, unless you specify the type of the new workspace it is set to Single-user Write and is created on the first volume (a Tiger Store-managed volume or a network share) detected by Tiger Spaces. With version 4.2, a Tiger Spaces administrator can change these default parameters. For more details, refer to the Tiger Spaces User's Guide.

Support for Microsoft SQL Server 2017

The database server on your Tiger Spaces network can run Microsoft SQL Server 2017.

Fixed Known Issues in Version 4.2

Upgrade Compatibility with Project Store on Tiger Store Appliances with High Availability

With version 4.2, you will be able to upgrade Project Store to Tiger Spaces on Tiger Store appliances with two server nodes and high availability feature configured. For more details, refer to “Upgrading to Tiger Spaces 4.2” on page 5.

New Known Issues

Accessing the Web Interface Using Private Mode of Safari Web Browser

You cannot access the web interface of Tiger Spaces using private mode in Safari web browser. The problem is related to the inability of Safari to handle local storage when private browsing. The problem is not observed when using private mode (like Incognito mode in Google Chrome, for example) in other supported web browsers.

Displaying Sub-group Information in the Inspector

Currently, when you choose to display information about a Tiger Spaces users group in the Inspector, it does not display information about any of this group’s sub-groups. To view information about a sub-group, you need to select it in the User Management page and click the Inspector.

Mounting Pinned Workspaces After Restarting the Client Computer

It is possible a workspace pinned for your account to not be automatically mounted on your computer after you have restarted your computer. A workaround to the problem is to log out the Tiger Spaces web interface and then log in again.

Cluster IP Desynchronization on the Tiger Store Server Nodes

Tiger Spaces high availability is closely dependent on high availability in Tiger Store. When you specify the Tiger Spaces cluster IP address, it is automatically assigned as an additional IP address of the respective network interface of the currently active Tiger Store node. In case of failover, Tiger Store takes care to transfer it to the standby node. Still, if you introduce changes to any of the IP addresses of this network interface in cluster view, Tiger Store will synchronize the changes on the

standby node and as a result it will automatically assign a consecutive IP address to identical network port of the standby node.

A workaround to the problem is to manually delete the consecutive cluster IP address on the standby Tiger Store node in node view.

Restarting Tiger Spaces to Apply Domain Info Changes

In some cases, changes you have introduced in the Save Domain Info dialog in the web interface may not be applied until you restart Tiger Spaces. Specifying Active Directory domain info through the Configuration Wizard does not require restart of your Tiger Spaces server.

Upgrading to Tiger Spaces 4.2

Upgrading from Tiger Spaces 4.x

Note: *To upgrade to the new version on a Tiger Store appliance, contact Tiger Technology support for assistance.*

To upgrade to version 4.2 there's no need to uninstall the previous version of the product - simply run the new installation on the computer running Tiger Spaces. When you upgrade Tiger Spaces 4.x to version 4.2 all workspaces, users and settings are preserved as long as you choose to re-use your current Tiger Spaces database.

Note: *If you decide to assign another computer as a database server, in order to deploy Tiger Spaces with high availability, for example, to preserve your current Tiger Spaces database you must migrate it to the new database server computer, following the instructions provided in the documentation of SQL Server.*

To upgrade Tiger Spaces 4.x to version 4.2:

Important: *If you are upgrading Tiger Spaces on a Tiger Store with two server nodes, repeat the steps below on each of the nodes.*

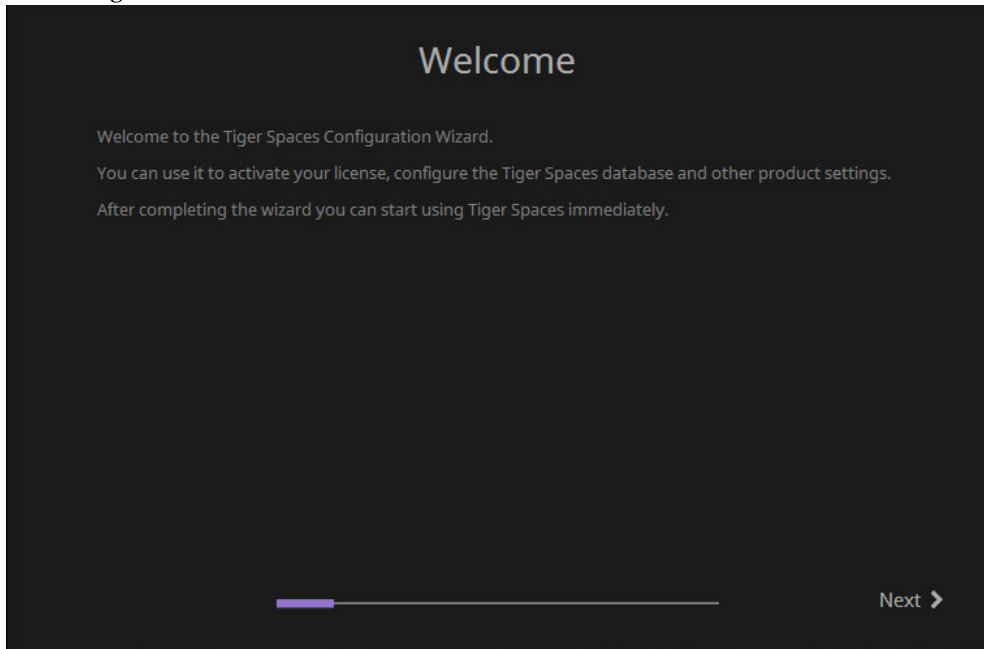
1. Install Tiger Spaces 4.2 on the server.
2. (optional, for high availability) Install the SQL Server 2016 Express configured for Tiger Spaces installer on the computer designated as a database server.
3. (optional, if you assign another computer as a database server) Migrate your current Tiger Spaces database on the new database server, following the instructions provided in the documentation of SQL Server.

4. Access the Tiger Spaces Configuration Wizard, by entering the following in a web browser:
`https://[IP address of the computer/node running Tiger Spaces]/config`

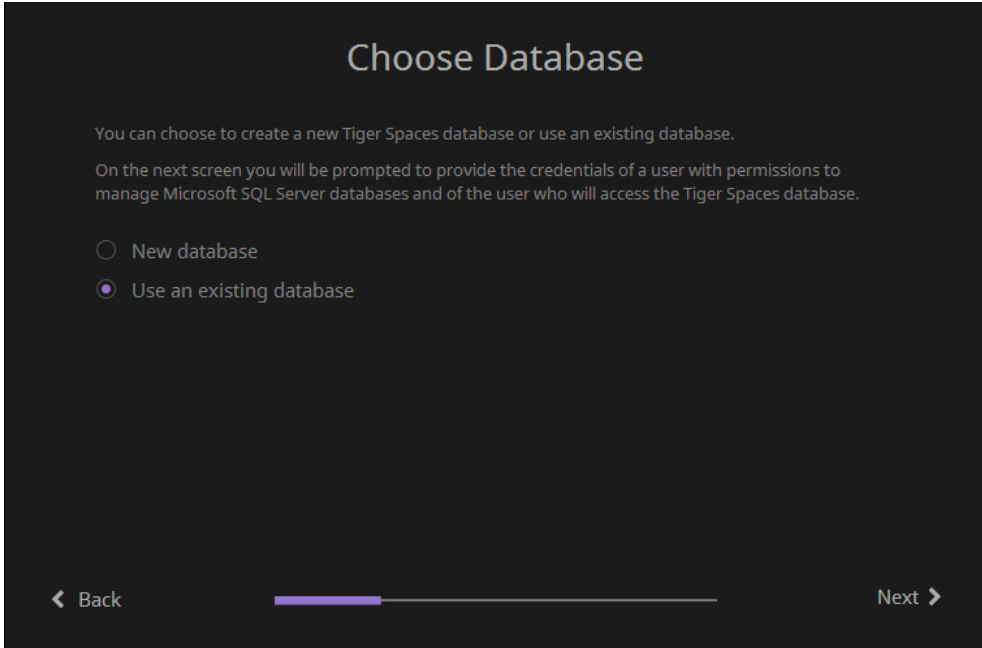
For example, if the computer running Tiger Spaces server has IP address 10.200.6.29, in the address bar of a web browser enter the following:

`https://10.200.6.29/config`

The Configuration Wizard starts.



5. In Choose Database, select “Use an existing database” and click Next.



6. In the next screen enter the following in the respective fields:

Connect to the Database Server

Database Server:

Database name:

Provide the name and password of a user who will be used to access the Tiger Spaces database.

Spaces database username:

Password:

Verify

← Back Next →

- In Database Server, enter the IP address of the computer assigned as a database server:

Note: *If your Tiger Spaces server acts as a database server as well, and you have to enter the following:*

localhost\TIGERSPACES

- In Database Name, enter the following:

psdb

- In Spaces Database Username, enter the following:

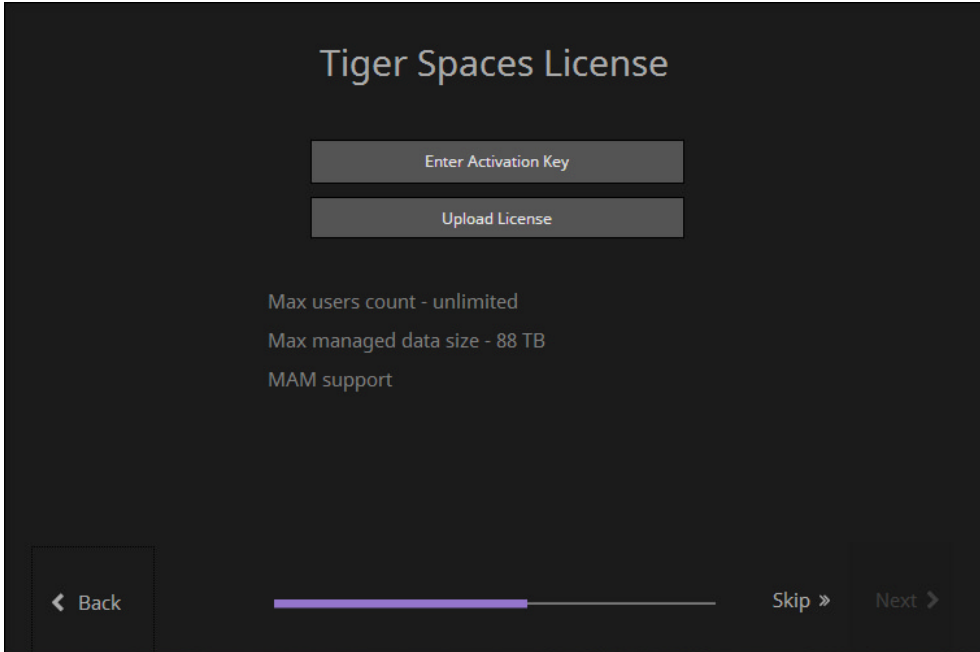
psdb

- In Password, enter the following:

password

7. Click Verify and then Next.

8. In Tiger Spaces License, do one of the following:



- If you do not want to activate high availability, click Skip.
- If you want to activate high availability, select the activation method, click Next and follow the on-screen instructions for activating your license.

9. (if Tiger Spaces is in Active Directory domain) Enter the domain name, and the user name and password of a user with permissions to list users in this domain, click Verify and then click Next.

The screenshot shows a dark-themed wizard window titled "Active Directory Login Information". The window contains the following elements:

- Title:** "Active Directory Login Information" in a large, light-colored font.
- Text:** "If you are planning to use Active Directory users with Tiger Spaces, you need to specify the domain name and the user name and password of a user with permissions to list users in this domain. Note that certain groups must exist in the domain for Tiger Spaces to be able to work with domain users. For more details, refer to the Tiger Spaces manual." followed by "After completing the wizard make sure this Tiger Spaces server is a member of the domain you have specified here or, if necessary, join the domain."
- Form Fields:** Three input fields on the right side, each with a light gray border and placeholder text:
 - Top field: "Enter domain name"
 - Middle field: "Enter domain user"
 - Bottom field: (empty)
- Buttons:** A "Verify" button is located below the password field. At the bottom left is a "Back" button with a left-pointing arrow. At the bottom right are "Skip" and "Next" buttons with right-pointing arrows.
- Progress Indicator:** A horizontal bar at the bottom of the window, with a purple segment on the left and a gray segment on the right, indicating the current step in the wizard.

10.(if high availability is activated) Do the following:

High Availability: Cluster IP

To ensure smooth and proper operation of the high-availability feature it is recommended to enable a cluster IP address. The cluster IP address is transferred between Tiger Spaces server nodes and clients use it to connect to the Tiger Spaces high-availability cluster.

Please, refer to the product manual for more information about the cluster address.

Enable cluster IP

Network Interface: Public ▼

IP Address: 192.168.100.116

Subnet mask: 255.255.255.0

Apply

< Back Skip >> Next >

- Select the “Enable cluster IP” check box.
- In the Network Interface drop-down box, select the network interface to which to assign the cluster IP address.
- Enter the IP address and subnet mask in the respective fields and click Apply.

Note: *The cluster IP address must be on the same subnet as client computers*

11. Click Next and then Finish.

Important: *If you deploy Tiger Spaces with high availability, repeat the same steps on the other server node as well.*

Upgrading Project Store/Project Serve to Tiger Spaces 4.2

Tiger Spaces doesn’t offer full upgrade compatibility with Project Store/Project Serve. Once you upgrade to Tiger Spaces, you will lose all configuration settings and will have to configure them anew. Following the upgrade procedure described below, you will be able to keep all Project Store/Project Serve users (but without passwords) and all projects with their type, permissions, description, keywords, preferred mount point on Windows (except if the project uses preferred mount point in a folder), settings for locked project and project template.

Note: *If Project Store is installed on a Tiger Store appliance or you are using Project Serve, contact Tiger Technology support for assistance on upgrading to Tiger Spaces.*

The upgrade procedure involves the follows these steps:

- 1.** Uninstall Project Store without disabling Project Store support on the volumes.
- 2.** (for domain environment only) Rename the two groups on your Active Directory domain controller from “projectStore Users” and “projectStore Admins” to “Tiger Spaces Users” and “Tiger Spaces Admins” respectively.
- 3.** Install Tiger Spaces and run the Configuration Wizard to perform the initial setup.
- 4.** Enable Tiger Spaces support on the same volumes you have used.
- 5.** Configure any other Tiger Spaces settings that might differ from the default ones (enabled/disabled permissions, quotas, hidden volumes settings, etc.)
- 6.** (if Tiger Spaces is deployed in workgroup environment) One by one assign new password to each user.

Refer to the Tiger Spaces User’s Guide for instructions on performing the above steps.