



FAST Silent Cube Software Update

Written By: Thomas Kunath

Configuration panel (ITOPS-Raum-228 - admin) 2.00.29.8053 [Compliance Option] Service activated until: 03/02/2025

Service

Config pages

- Welcome
- Volumes & Shares
 - Management
- Settings
 - Network
 - User
 - Notifications
 - Ingest reports
 - SNMP
 - Active Directory
 - Replication
 - Miscellaneous
 - Service
 - Licenses & Activation
- System state
 - General information
 - Statistics
 - Sensors

Logout

Help

Service

Here you can update, shutdown or reboot the Head Unit.

Offline update of Head Unit software

Update file:

Reboot the Head Unit

Shutdown the Head Unit

Orphan files

Please click on 'Refresh' to start the check

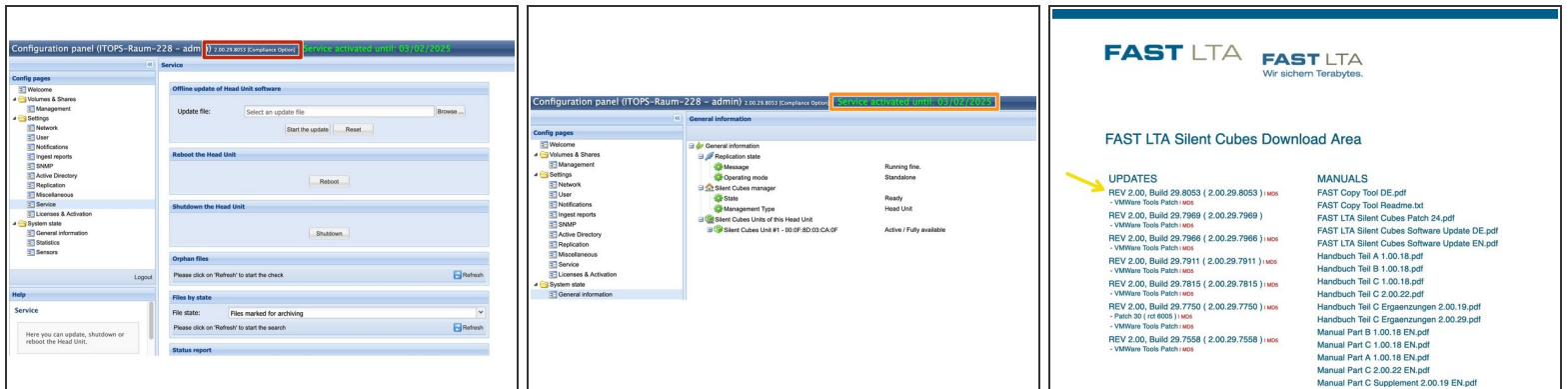
Files by state






File state:

Please click on 'Refresh' to start the search

Status report

Step 1 — Preparation Software Update



-  **The system will be unavailable during the update.**
-  The user interface of the Head Units can be reached via WebBrowser at **<https://<System IP>>**
 - Check which software version is currently installed on the system.
-  **From software version 2.00.29.7750 or higher, it is possible to update directly to all current software versions. Intermediate steps are required for all older software versions then 2.00.29.7750. In this case please contact FAST Support**
- **Check if the system still has service. If the system has no more service, you can not update the system !**
- Download the needed software version from FAST Update Server. <http://swupdate.fast-lta.net>
user: evb password: getUpdate
-  **Do not unpack the .tar file. The file is automatically unpacked and checked by the system.**
-  **If the machines are in Active Directory, it may be necessary, to have an employee with AD administrator rights available, to add the machines back to the Active Directory after the update.**

Step 2 — Preparation Software Update

Configuration panel (TOPS-Raum-228 - admin) | 2.00.29.8013 [Compliance Option] | Service activated until: 05/02/2025

Manage volumes

Name	Quota	Used	Free	Usage	Archived	Pending	Triggered	Archiving
Cache_Cleaner	10.00 GB	85.29 MB	9.91 GB	0.85%	20583	0		Immediate, Rate
Cache_Cleaner_2	10.00 GB	491.52 KB	10.00 GB	0%	241	0		Immediate, Rate
Cache_Cleaner_3	10.00 GB	176.67 MB	9.82 GB	1.78%	29921	0		Immediate, Rate
Openstat	10.00 GB	0 Bytes	10.00 GB	0%	0	0		RWRO triggered
RWRO	10.00 GB	0 Bytes	10.00 GB	0%	0	0		RWRO triggered
Test_Intelligent_Ersetzen	10.00 GB	0 Bytes	10.00 GB	0%	0	0		Immediate, Min
Test_NEW	10.00 GB	0 Bytes	10.00 GB	0%	0	0		Immediate, Rate
Test_Vol_New	10.00 GB	108.22 MB	9.89 GB	1.08%	94	0		Immediate, Rate
WORM_TEST	10.00 GB	31.88 KB	10.00 GB	0%	20216	0		Immediate, Min

Cube capacity in use: 3.58 GB of 8.00 TB | 0.04%

Manage shares

Volume/path	Type	Sharename	Options	NFS path
Cache_Cleaner	smb	Cache_Cleaner	browseable (admin)	
Cache_Cleaner_2	smb	Cache_Cleaner_2	browseable (admin)	
Cache_Cleaner_3	smb	Cache_Cleaner_3	browseable (admin)	
RWRO	smb	RWRO	public, browseable	
Test_NEW	smb	TEST3	browseable (admin, rhl)	
Test_Vol_New	smb	Test_Share_New	browseable (admin, test-user)	
WORM_TEST	smb	WORM	public, browseable	
WORM_TEST	nfs		'/var/no_subtree_check, sync, no_root_squash' /var/fast/ice/ports/50030892546505277860/mount	

Supportpage

Disk Usage /var 16 % | Disk Usage /var/fast/sc 16 % | Disk Usage /var/fast/sc 5 %

IP Tools

Ping Target: 172.20.50.254 -- ☐ Broadcast

Tracepath Target: 172.20.50.254 --

NSlookup DNS-Server: 172.20.50.254 -- DNS Name: www.goc

NTP Date NTP-Server: 172.20.50.254 --

Active Directory Tools

NetBiosLookup NetBios-Name: WINS-Server:

Request SID Domaincontroller:

Mail Notification Tools

Test Mailserver Mailserver: smtp.strato.de-993 ☐ SSL

Cube Tools

Wakeup Cube Cube MAC: Broadcast IP:

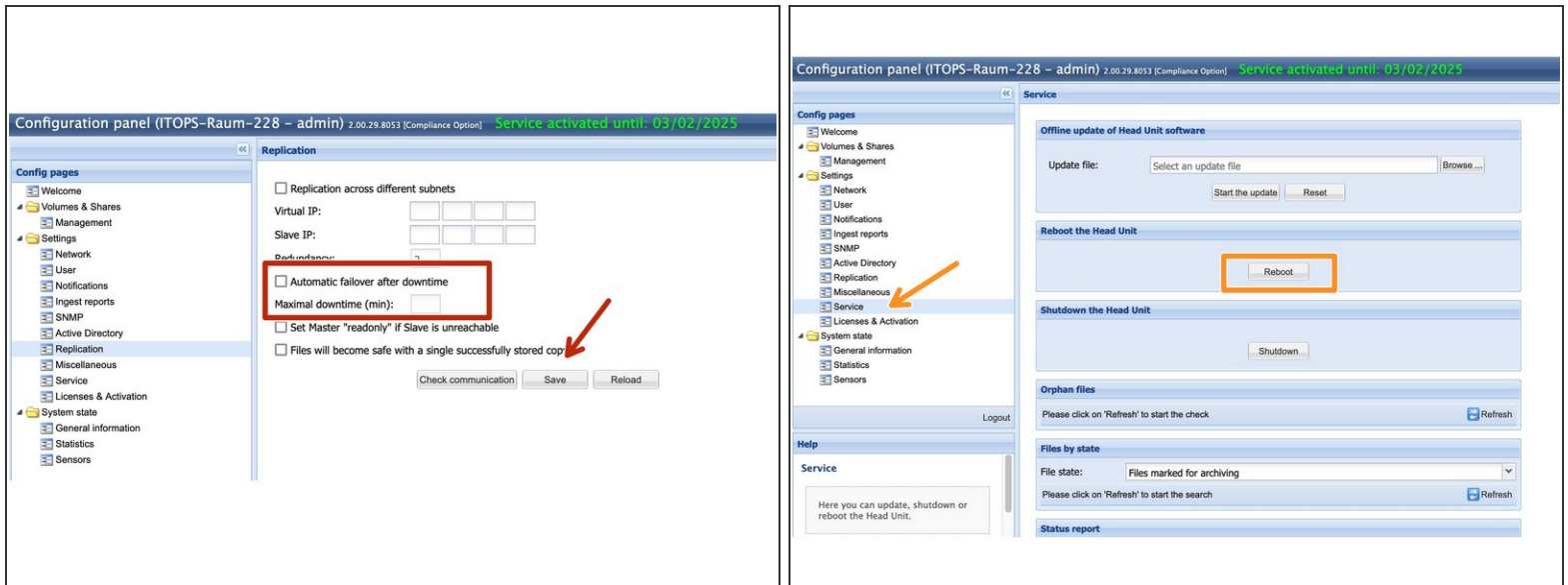
Output

⚠ Stop the data storing to the system before the update

⚠ It is not possible to downgrade the system to an older version.

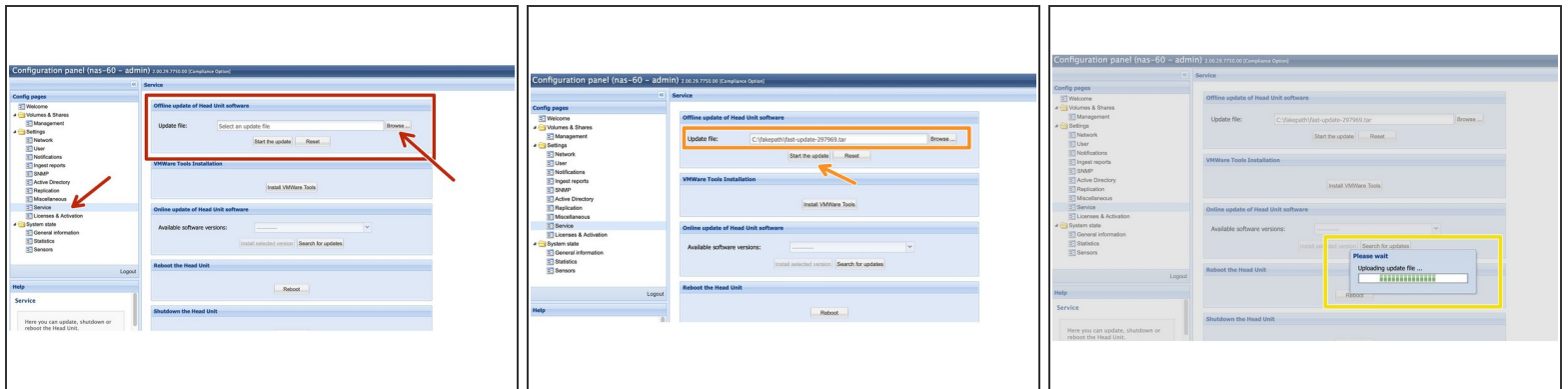
- Before the update, the pending files should be at 0. These files are only located in the cache of the Master Head Unit. **The update can be performed with pending files, but you run the risk that these files may be lost in case of a problem during the update.**
- Check if there is enough space on the hard disk of the Head Unit, for the update. Logon to the system. Type **/spt** at the end of the browser line to get to the support page. Here check Disk Usage /var/fast/sc. There should be a minimum of 50% free disk space available.

Step 3 — Preparation Software Update



- For replicated systems the following must be checked. If the checkbox Automatic failover is set, please remove it and save this with -> Save.
- **Reboot the Master and Slave Head Unit before the update.**
- ❗ In case of a replicated system, with Master and Slave Head Unit you have to update the Slave system first. When the Slave system is ready, you can start with the Master system.

Step 4 — Start Update

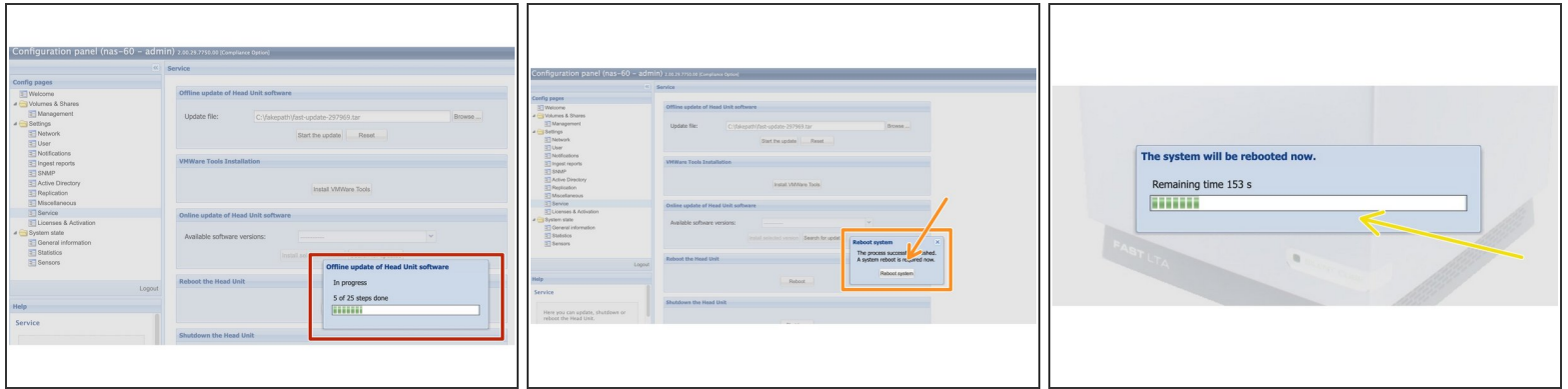


i With a single system you can start with your main Head Unit directly. In case of a replicated system, start now with the Slave Head Unit.

i Go via <https://<System IP>> to the GUI of the respective system.

- Now go to Service -> Offline Update of Head Unit Software. Click on Browse and select the relevant update file.
- When you have selected the correct file, click -> Start the Update.
- The update file will now be uploaded to the Head Unit. This can take a few minutes.

Step 5 — Update System

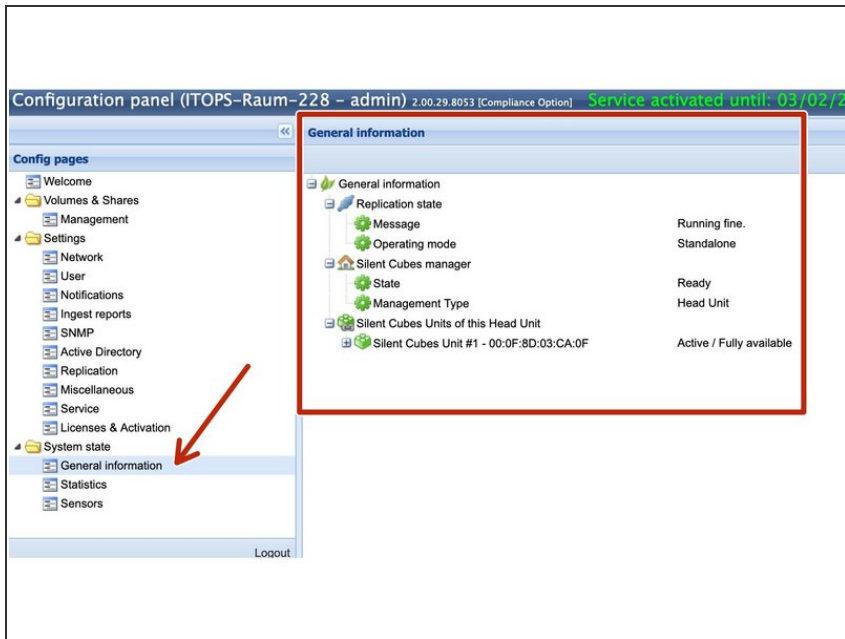



- Depending on software version, used hardware and the number of stored files, the update will normally take about 30 - 60 minutes per Head Unit.

⚠ During the update, the system must not be restarted or disconnected from power supply.

- When the update is finished, you will be prompted to restart the machine. Please click here -> System reboot
- Wait until the system has rebooted.
- i** If you have a single system, the update is now complete. Check the system under general information. Everything should now be green again here.
- i** If you have a Single System which was in Active Directory proceed with Step 7

Step 6 — Additional Steps for a Replicated System



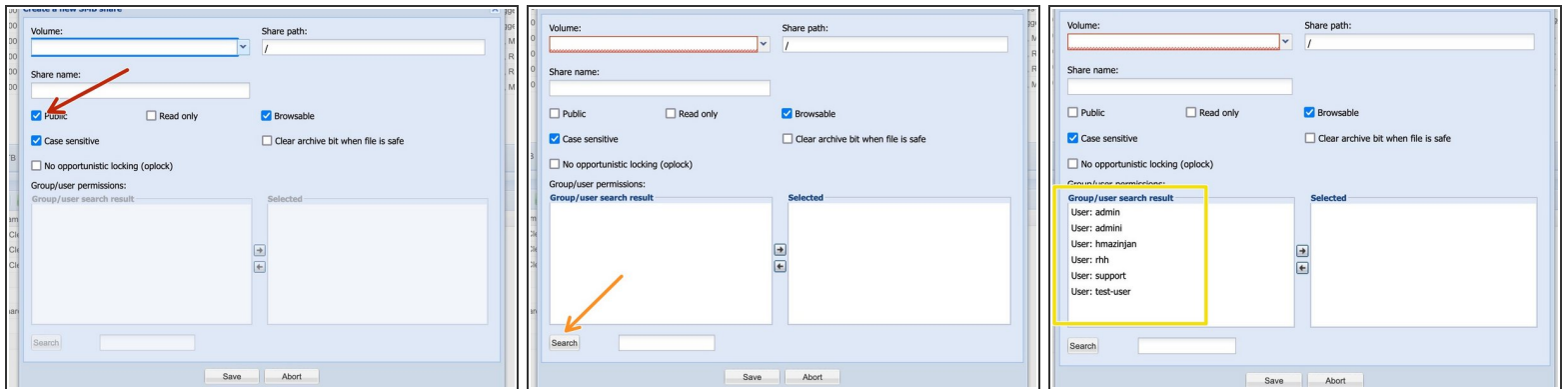
- When the Update of the Slave Head Unit is finished, start with the Master Head Unit.
-  Execute the steps of Step 4 & Step 5 now also for the Master machine
- When the update is finished, wait a few minutes for the system to reboot and sync again.
- Check the system under General Information. Everything should now be green again here.
- The Update of Master & Slave is now complete.

Step 7 — Additional Steps if the System is in Active Directory

The left screenshot shows the 'Configuration panel (ITOPS-Raum-228 - admin)' with the 'Active Directory' configuration page. The 'Domain:' field is highlighted with a red box and contains 'FAST LTA Archiving'. A red arrow points to the 'Active Directory' option in the left sidebar. The right screenshot shows the 'Configuration panel (ITOPS-Raum-228 - admin)' with the 'Manage volumes' page. A red arrow points to the 'Add volume' button, and another red arrow points to the 'Add Smb share' button in the 'Manage shares' section.

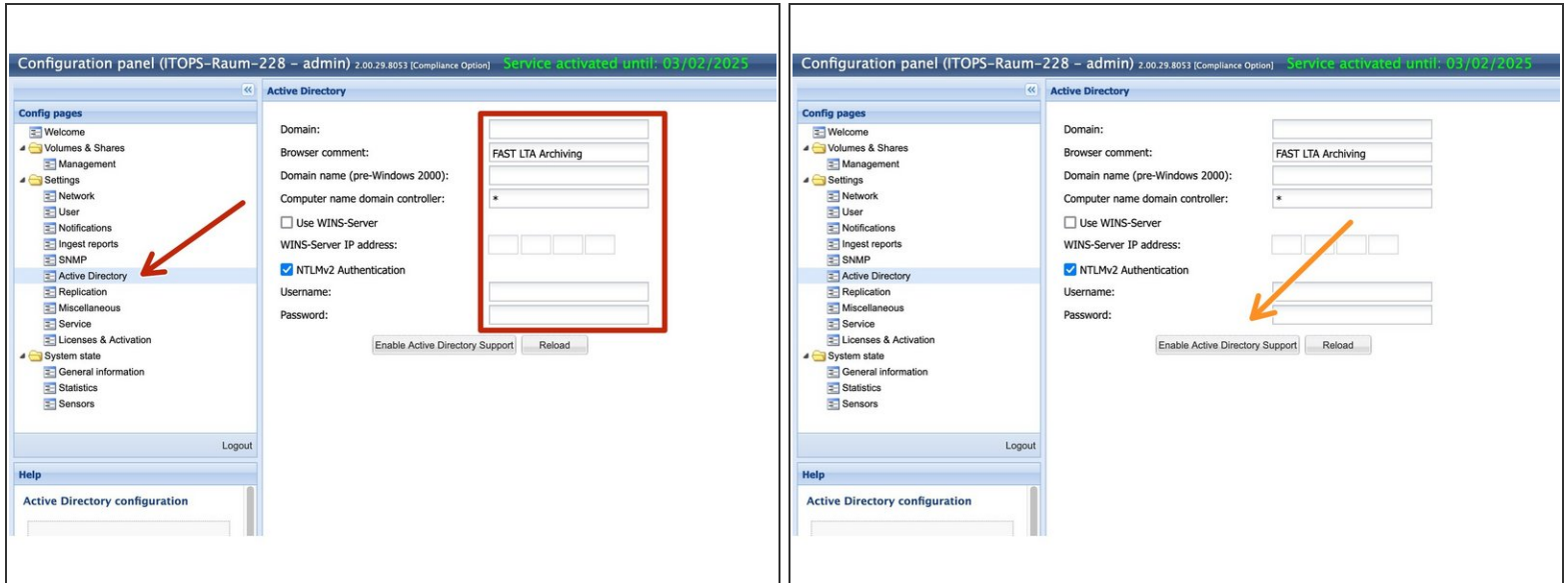
- i** Check if the system is in the Active Directory. Go to Active Directory. If all fields are empty here, then the system was not in AD and you can end here.
- If the fields are filled and grayed out, the system was in Active Directory. Since we have updated the Samba software of the system in newer software versions, a new login may be necessary here.
 - Now check if the system still has access to Active Directory. Go to Management and click on Add SMB Share.

Step 8 — Additional Steps if the System is in Active Directory




- The SMB window appears. Uncheck the Public checkbox
- Now click on Search to start a user search.
- All AD groups and all local users will be listed. The AD groups have the prefix AD-Group. If you don't see any AD groups although the machine should be in the AD, you have to add the machine to the AD.


Step 9 — Additional Steps if the System is in Active Directory



 Bring System back to Active Directory.

 Here it is necessary that the employee at the customer site has admin rights in the Active Directory and can create machine accounts.

- Check the old settings in the Active Directory fields and change them if necessary.
- If all fields are filled in correctly, click Enable Active Directory Support to add the machines to the Active Directory again. For a replicated system, both machines are automatically included here.

 If the machines cannot be added to AD, it often helps to manually remove the old machine accounts and create new ones.