



Why Forsecabox?

Why Forsecabox?

Today your data in classical architecture is unfortunately not enough to secure you. Attack techniques first attack your backup areas to leave you helpless.

Do you know that your cloud server or local backup/storage areas where you store your data do not have sufficient security solutions to protect your backups?

Your user information or two-factor authentication (2FA) methods you use to access your cloud servers, are not enough for the security of your data.

Conventional storage/backup solutions on the market no longer even fail to protect their own authority against attacks.

Forsecabox protects you against all external or internal attacks and errors that cause data loss

1- Classic Storage/ Backup Solutions Safe?

You can manage other storage units via local or web applications. Below are some of the main risks of devices that allow remote access (on the network) in this way.

Attackers can use 2FA or OTP bypass/Fake, keylogger, etc., via any accessed computer. They can be infected with methods such as

With ARP attacks over the local network, your access information can be captured by listening.

Anyone with access information can perform almost all operations on the device from the panel, even delete all the data in the device, and reformat the disks up to raid structures.

Even if the attacker cannot obtain the access information, they can attack remotely via the device's online management application (local or web). For example; The web panel can be manipulated with methods such as cross-site scripting (XSS), or malicious commands can be run on the panel with methods such as command injection (REMOTE) over communication methods. With these commands, it can delete the data stored on the device and even go to the administrator position on the device and take over the entire device management.

You can safely store your data as there are no vulnerabilities on Forsecabox

2- Secure Management Console

The management console is a management device specially produced for each Forsecabox and dedicated only to its own device.

This management console does not have an operating system like a tablet, PC or PDA. It runs a certain management software written in machine language without the need for an OS directly over its microprocessor.

3- Pre-Storage

The "Pre-Storage" area developed by "Forsecabox" is the first area where you send your data. You send data to this field using SMB/NFS protocols. The data in your "Pre-Storage" area is moved after a certain period of time and 100% secure data protection starts in the "Forsecabox" disk space. The processors and disks of these two areas are physically separate from each other, so Meltdown, Specter, etc. Provides protection against attacks.

4- Network Visibility

Pre-defined PCs, servers, etc. to on the Forsecabox device via the offline management console. can be accessed and the data can be uploaded. Devices other than the defined device will not be able to access or connect to the Forsecabox area over the network.

5- Protected Data Cannot Be Deleted

The data protected with the Forsecabox device cannot be deleted even by the device owner/admin.

There is no delete button, function or command in the offline management console or any device interface.

The device deletes the backup files itself to make room for the newest backup only at the backup intervals you specify.

New data automatically replaces old data. Thus, the disk capacity is not filled in the device and it continues to running for years without any maintenance and data cleaning.

6- Secured for Data Leaks or Loss

In to export your data, you must have an offline management console. The protected data cannot be accessed again without the management console and authorized pins without physically going to the device. Against industrial vulnerabilities (OT) or any data privacy need, protected data cannot be accessed from the network or remotely.

7- Checksum Control

While the data reaching the Forsecabox device is protected, individual "SUM" records of all the files in the package are taken.

It is proved that no file in the content of the data can be corrupted or changed during the entire protection period in the device.

The SUM records created when the data is stored for protection and exported in case of backup need and notified by e-mail, prove to the user that your data is stored securely and not changed from the moment it is stored on the device to the moment it is data exported.

8- Security for Data Restore

By selecting your protected data from the offline backup console, you can transfer your data directly to your servers' raid BlockID (with Forsecabox direct connection devices) or to your external disks with VendorID/SN defined via USB 3.x connection.

All hardware identification information (VendorID) of these exported external disks and devices are logged and these transfers are reported to the authorities registered in the system by e-mail. With this notification, it can be monitored whether the backup has been transferred to an external disk and devices of the organization. Defined e-mail addresses can be more than one, so manipulation by the employee is prevented.

9- Users Authorization

You specify the user name and password to the relevant data fields on the Forsecabox device via the offline management console, and with this authorization, only the data within its authorization can be connected. Users and backup programs that do not have these login credentials cannot upload data to Forsecabox.

This username and password authorization is only for transmitting the data to the Forsecabox device only before the data is protected. Even if someone has this authorization information, the currently protected data cannot be accessed or deleted. Because authorized credential can only access to Pre-Storage area.

10- Advanced Data Sorting

All data reaching the Forsecabox device is sorted separately as "day-month-year hour-minute and second". You can export the data, you want and perform your restore operation.

11- Different Data Transfers Cycles

You can create more than one data transfer area from the offline management console on the Forsecabox device and plan different setups for each data transfer area.

For example, while you load a full backup of your ERP program on one of your data transfer areas, you can load a differential version of the same backup on another data transfer area. You can define different auto-deletion periods and access privileges for these separate sharing areas.

12- Archiving Skill Out of Data Transfer Cycles

You can also specify to Forsecabox the minimum backup for your data transfer fields that should not be automatically deleted. The deletion period will never fall below the specified day or one unit.

You can transfer your old, cold and passive backups that you want to take out of the deletion period to the permanent archive section in the device. In this way, you can data store each data separately without overwriting the data.

13- Compatible with All Backup Programs

The Forsecabox device is compatible with all backup programs. Because it supports Windows file sharing protocols and ports (SMB, NFS) that all programs and operating systems support.

14- Advanced Log and Notification

All control panel operations on the Forsecabox device, data viewing, backup, data protection processes, export for backup (restore), exported device (UID) credentials and configurations are recorded in the device in log architecture.

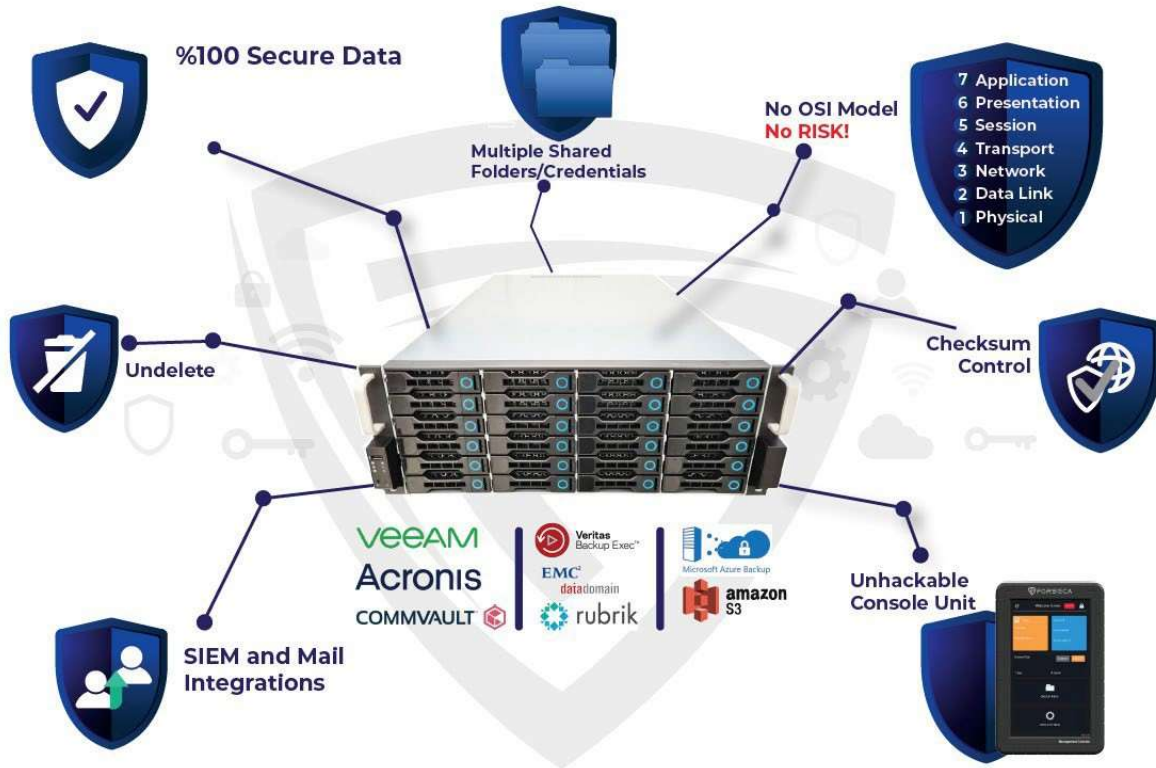
All logging processes are recorded and tracked with separate process id numbers. Some routine logs (installation of management console, backup, protection and export etc.) are automatically reported to registered e-mails and SIEM If desired, you can retrieve the same logs or detailed logs in various categories within the device, by specifying a period between two dates, via the remote control, and notify them to more than one authorized e-mail address/SIEM defined on the device.

Even if other authorities remove you from the e-mail notification list, you will be notified of this removal. Thus, even if they remove your e-mail address from the notification list in order to hide an unauthorized operation or manipulation from you, these notifications will continue to come for a while.

15- Hardware and Disk Failures

In all Forsecabox products, various raid, spare disk and node features are available, depending on the model you prefer (4, 8, 12, 24, 36 and 56 disks can be installed), preventing data loss in case of disk failures.

Fire, earthquake etc. You can position Forsecabox devices in more than one location against for disaster areas.



Hardware Size	2U	2U	2U	4U	4U	4U	6U
Disk Units	4	8	12	24	36	48	56
Disk Type	SAS or Sata or SSD	SAS or Sata or SSD	SAS or Sata or SSD	SAS or Sata or SSD	SAS or Sata or SSD	SAS or Sata or SSD	SAS or Sata or SSD
Disk Size	2,5 or 3,5 inch - SSD Slots	2,5 or 3,5 inch - SSD Slots	2,5 or 3,5 inch - SSD Slots	2,5 or 3,5 inch - SSD Slots	2,5 or 3,5 inch - SSD Slots	2,5 or 3,5 inch - SSD Slots	2,5 or 3,5 inch - SSD Slots
Total Disk Capacity	88 TB	176 TB	264 TB	528 TB	792 TB	1.05 PB	1.23 PB
Usable Disk Capacity	44 TB	88 TB	200 TB	400 TB	690 TB	900 TB	1.1 PB
RAID Type	RAID 10	RAID 10	RAID 6 , RAID 10	RAID 6 , RAID 10	RAID 6 , RAID 10	RAID 6 , RAID 10	RAID 6 , RAID 10
Spare Disk	No	No	No	No	Yes	Yes	Yes
Pre-Storage Capacity	4 Terabys	8 Terabys	8 Terabys	18 Terabys	18 Terabys	18 Terabys	18 Terabys
Input Interface SFP +/QSFP+	1/10/25/50/100G Fiber	1/10/25/50/100G Fiber	1/10/25/50/100G Fiber	1/10/25/50/100G Fiber	1/10/25/50/100G Fiber	1/10/25/50/100G Fiber	1/10/25/50/100G Fiber
Input Interface UTP	1/10G Cat6+	1/10G Cat6+	1/10G Cat6+	1/10G Cat6+	1/10G Cat6+	1/10G Cat6+	1/10G Cat6+
Data Output Interface	USB 3.x or Thunderbolt	USB 3.x or Thunderbolt	USB 3.x or Thunderbolt	USB 3.x or Thunderbolt	USB 3.x or Thunderbolt	USB 3.x or Thunderbolt	USB 3.x or Thunderbolt
Data Input Speed	up to 100Gb/s	up to 100Gb/s	up to 100Gb/s	up to 100Gb/s	up to 100Gb/s	up to 100Gb/s	up to 100Gb/s
Data Output Speed	up to 40Gb/s	up to 40Gb/s	up to 40Gb/s	up to 40Gb/s	up to 40Gb/s	up to 40Gb/s	up to 40Gb/s
Processor	Dual CPU	Dual CPU	Dual CPU	Dual CPU	Dual CPU	Dual CPU	Dual CPU
Scalability	No	No	No	No	Yes	Yes	Yes
Management Console	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power	500w / Single	600w / N+1	800w / N+1	800w / N+1	1600w / N+1	1600w / N+1	1600w / N+1
Warranty	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years	2 Years