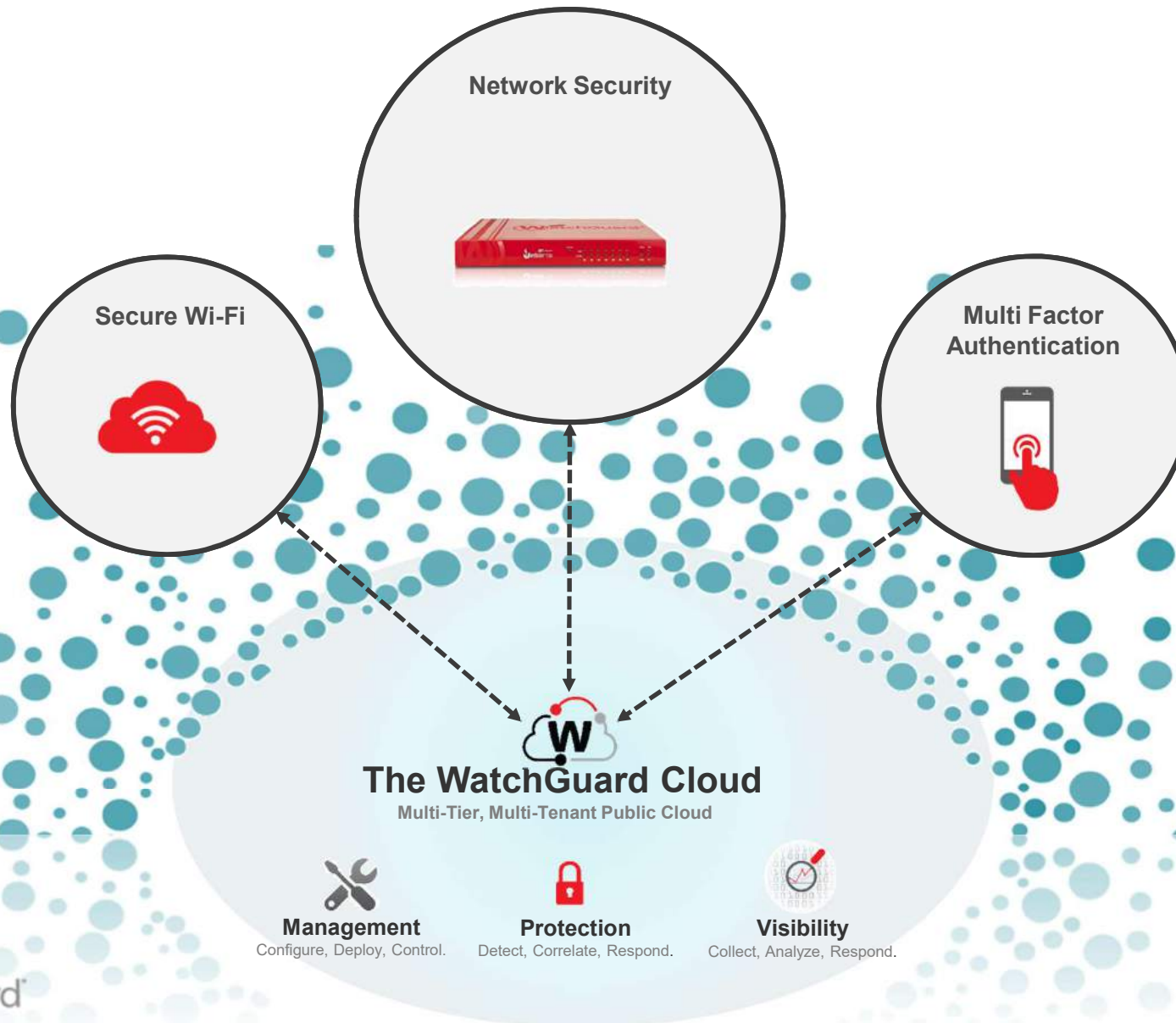




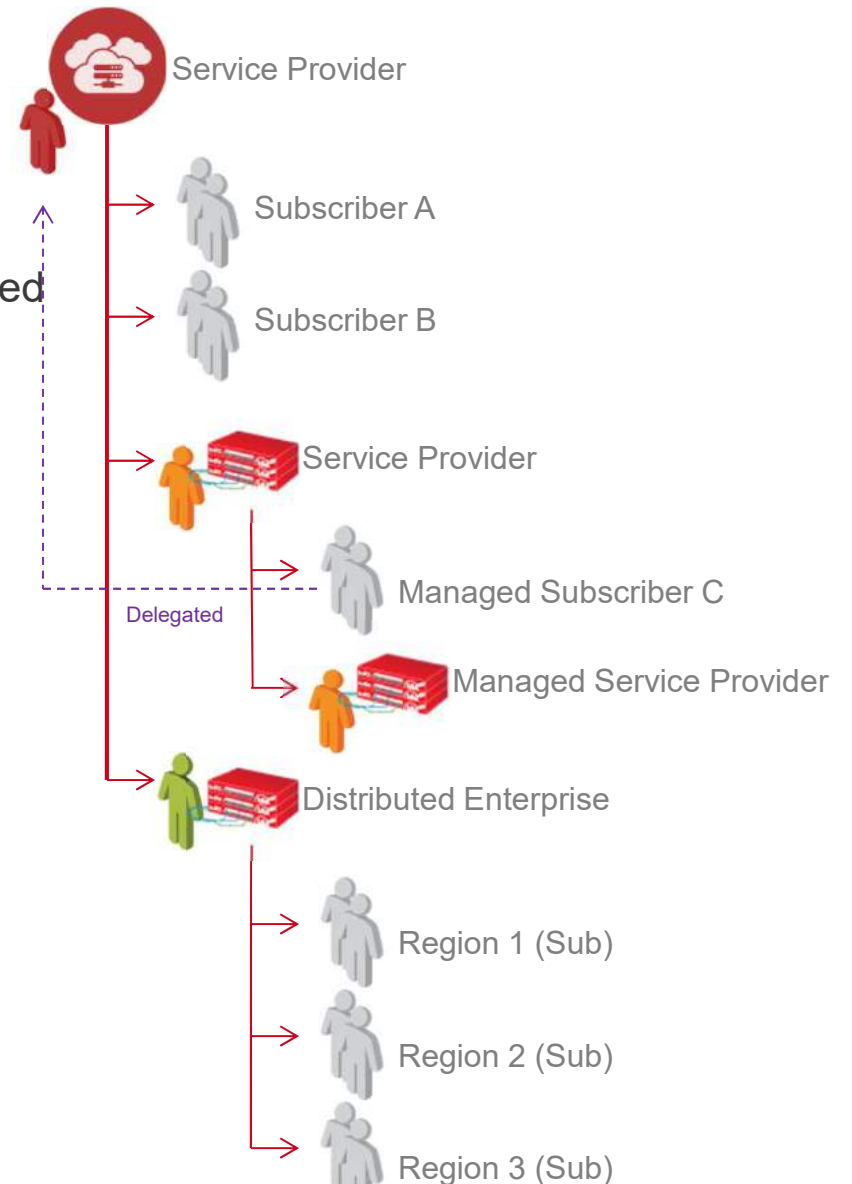
Best Practices - WatchGuard Cloud - Monitoring und Management von Firebox Systemen

WatchGuard Cloud – Die Idee



Mandantenfähigkeit der WatchGuard Cloud

- Multi-tenant architecture
 - Complete segregation
 - Scales to thousands of companies
 - Unlimited numbers of users per company
- Manage multiple organizations from one centralized interface
 - Unlimited numbers of companies
 - Supports multiple groups/domains
- Secure
 - Only view one level down - you can see your own virtual server as well as the virtual servers of the accounts you create
- Delegated management for cross tiers
 - Deliver enhanced service wrappers
 - Great for multi-region networks and subsidiaries
- Inherit capabilities to lower level
 - Security templates
 - Branding



Insightful, actionable network security visibility

- Zugriff auf über 100 Reports und Dashboards
- Schneller Zugriff auf wichtige Details per Drill-Down
- Übersetzt Kommunikationsinformation in nutzbare Daten
- Skalierbar und ohne Aufbau eigener Systeme nutzbar
- Mandantenfähige Struktur
- Automatisierte Alarmer und Benachrichtigungen
- Role-based Access Control (RBAC)
- Flexible Aufbewahrungszeiten der Daten



Device Summary Dashboard

Übersicht der Systeme und Lizenzierung

The screenshot shows the WatchGuard Device Summary Dashboard for a Firebox Alpha device. The interface includes a navigation menu on the left, a main content area with a device summary, and several performance and security metrics.

Device Summary:

- Device Information:** Name: Firebox Alpha, Model: Firebox T15, Version: 12.1.1.8558432, IP Address: 203.0.113.11, Uptime: 60 Days, Serial No.: 79ADP123445667.
- License Details:** Total Security Suite Status: Valid, Expiration: 2019-01-31, Data Retention: 30 Days.
- Device Status:** CPU Usage: 25%, Memory Usage: 70%.

Security Metrics:

- Malware:** 14 Detected (GAV: 4, Intelligent AV: 8, APT Blocker: 2, Total Scans: 14).
- Content Filtering:** 1.1M Blocked (42.3M Total Requests).
- Intrusions:** 13 Prevented (15.3M Scans, 13 Detected).
- Botnet Detection:** 1 Blocked (8.6M Scans).

Bandwidth and Services:

- External Bandwidth:** 523 Kbps Average Sent, 2.3 Mbps Average Received.
- Subscription Services:** 1.2M Blocked (Blocked Websites: 1.1M, Virus (GAV): 0, Intrusions (IPS): 74k, Botnet Detection: 25K).

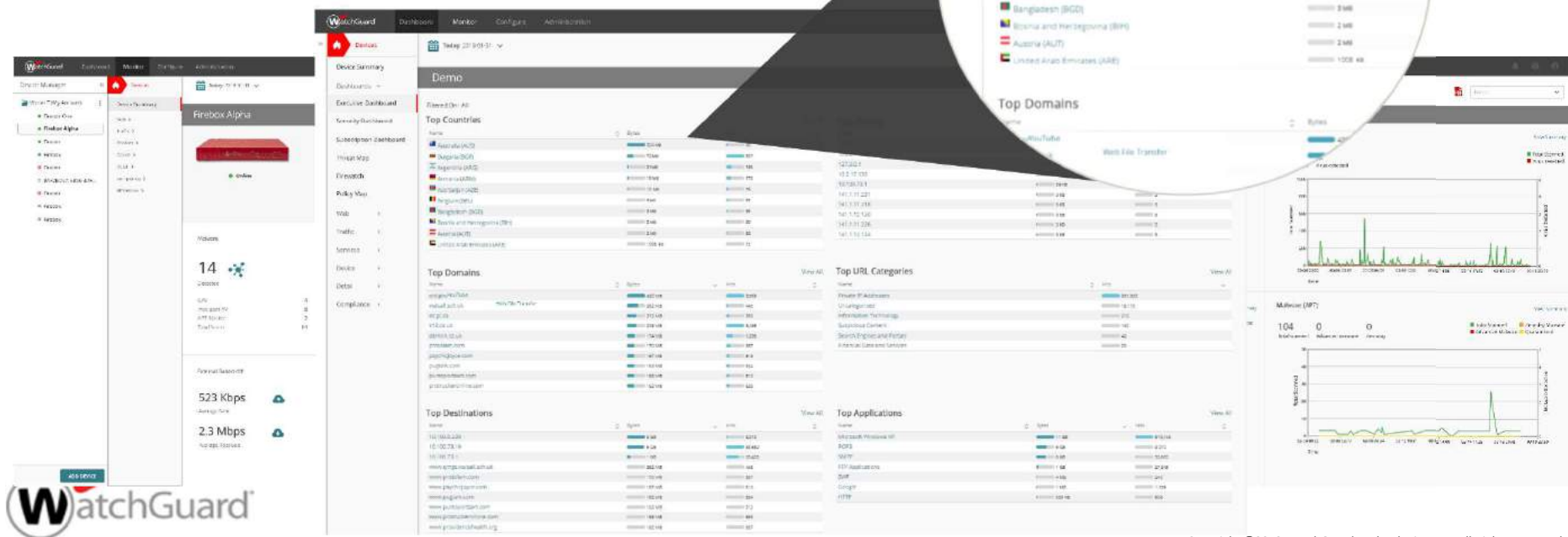
Most Active Policies:

Name	Bytes	Hits
HTTP-test-name-here	2.82 GB	892k
Any-Business-name-goe...	9 MB	1,663
Ping	423 KB	6,610
HTTP-second-test-nam...	3 MB	3,542
Ping	1 MB	1,121

Executive Dashboards

Übersicht zu Netzwerk-Kommunikation, u.A. über:

- Top users
- Top destinations
- Top applications
- Top domains



Policy Map

Die Policy Map stellt das Regelwerk Ihrer Firebox visuell dar. Hierin sehen Sie sofort welche Datenströme die jeweiligen Firewall-Regeln nutzen und können somit schnell und einfach Fehlkonfigurationen erkennen und das Regelwerk optimieren.



RapidDeploy ist voll integriert

- Integration neuer Standorte ohne geschultes (IT-)Personal vor Ort
- Zero-touch deployment
- Laden Sie eine vorbereitete Konfigurationsdatei in die WatchGuard Cloud – die neuen Firebox Systeme wenden diese sofort an und schützen direkt.

The screenshot shows the WatchGuard web interface for configuring a device for RapidDeploy. The page title is "Configure Device for RapidDeploy". The main content area displays the message: "Your Device is ready for RapidDeploy." Below this, there is a section with instructions: "Next, connect the cables to your Device and to the network. The device will automatically connect to WatchGuard Cloud and get the configuration file." A "DONE" button is visible. To the right, a "DEVICE DETAILS" box contains the following information: Name: Name 3, Model: Firebox T70, and Serial Number: 80B0DEM030533. An image of the red Firebox T70 device is also shown. The interface includes a WatchGuard logo in the top left, a navigation sidebar on the left, and account information in the top right.

Lizensierung

Features & Services	TOTAL SECURITY SUITE	Basic Security Suite
Intrusion Prevention Service (IPS)	✓	✓
App Control	✓	✓
WebBlocker	✓	✓
spamBlocker	✓	✓
Gateway AntiVirus	✓	✓
Reputation Enabled Defense (RED)	✓	✓
Network Discovery	✓	✓
APT Blocker	✓	
Data Loss Protection (DLP)	✓	
Threat Detection & Response	✓	
DNSWatch	✓	
Access Portal*	✓	
IntelligentAV*	✓	
Dimension Command	✓	
WatchGuard Cloud Visibility Data Retention	30 Days	1 Day
Support	Gold (24x7)	Standard (24x7)

*Available on latest generation M Series appliances



DEVICE INFORMATION

Name T35_Bellevue
Model Firebox T35
Version 12.3.B581846
Serial Number D02007F8893AB
Uptime 9 Days

FEATURE KEY

Total Security Suite
Status Valid
Expiration 2019-03-16
Data Retention 30 + 300 Days

Note: Fireboxes can simultaneously log to WatchGuard Cloud and Dimension.

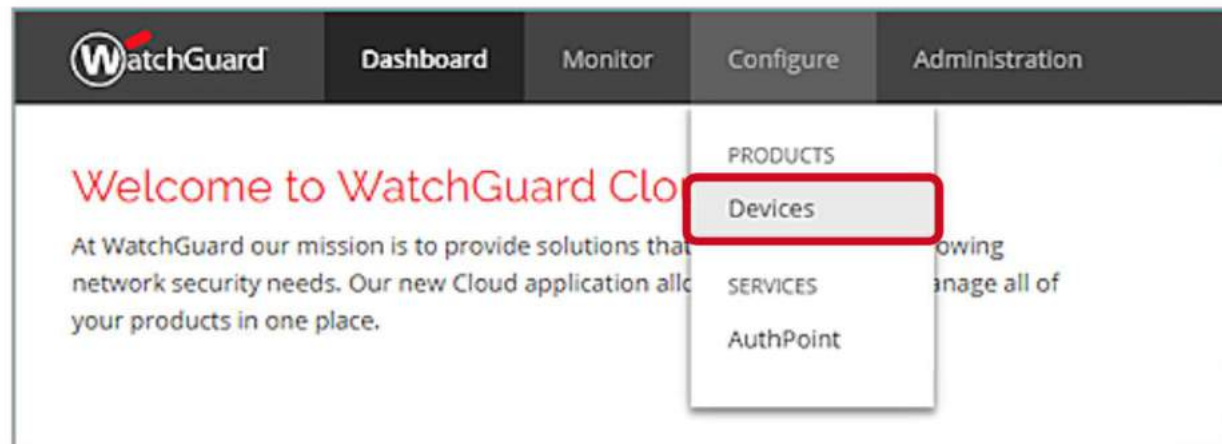


Anforderungen

- Unterstützte Firebox Systeme:
 - Hardware: Firebox M Series, T Series
 - Virtual: FireboxV, FireboxCloud
- Lizenzierung:
 - Basic Security oder Total Security Suite
- Fireware Anforderungen:
 - Fireware v12.0 oder höher ist erforderlich
 - Fireware v12.4 oder höher ist für Firecluster erforderlich
 - WatchGuard Cloud RapidDeploy, benötigt ein „Manufacturing Release“
Fireware v12.3.1 oder höher

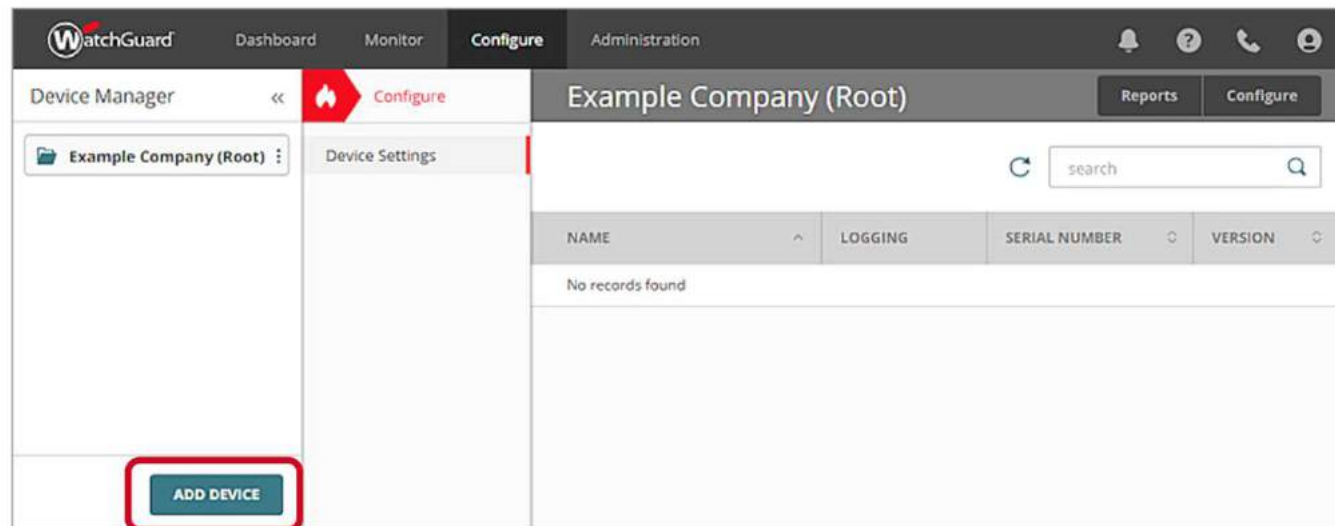
Hinzufügen einer Firebox

- Öffnen Sie cloud.watchguard.com
 - Die Anmeldung erfolgt mit dem üblichen WatchGuard Portal User
 - Die Ansicht kann für Endkunden und Partner variieren.
- Im WatchGuard Cloud Subscriber account gelangen Sie über **Configure> Devices** zu den neuen Visibility Funktionen



Hinzufügen einer Firebox

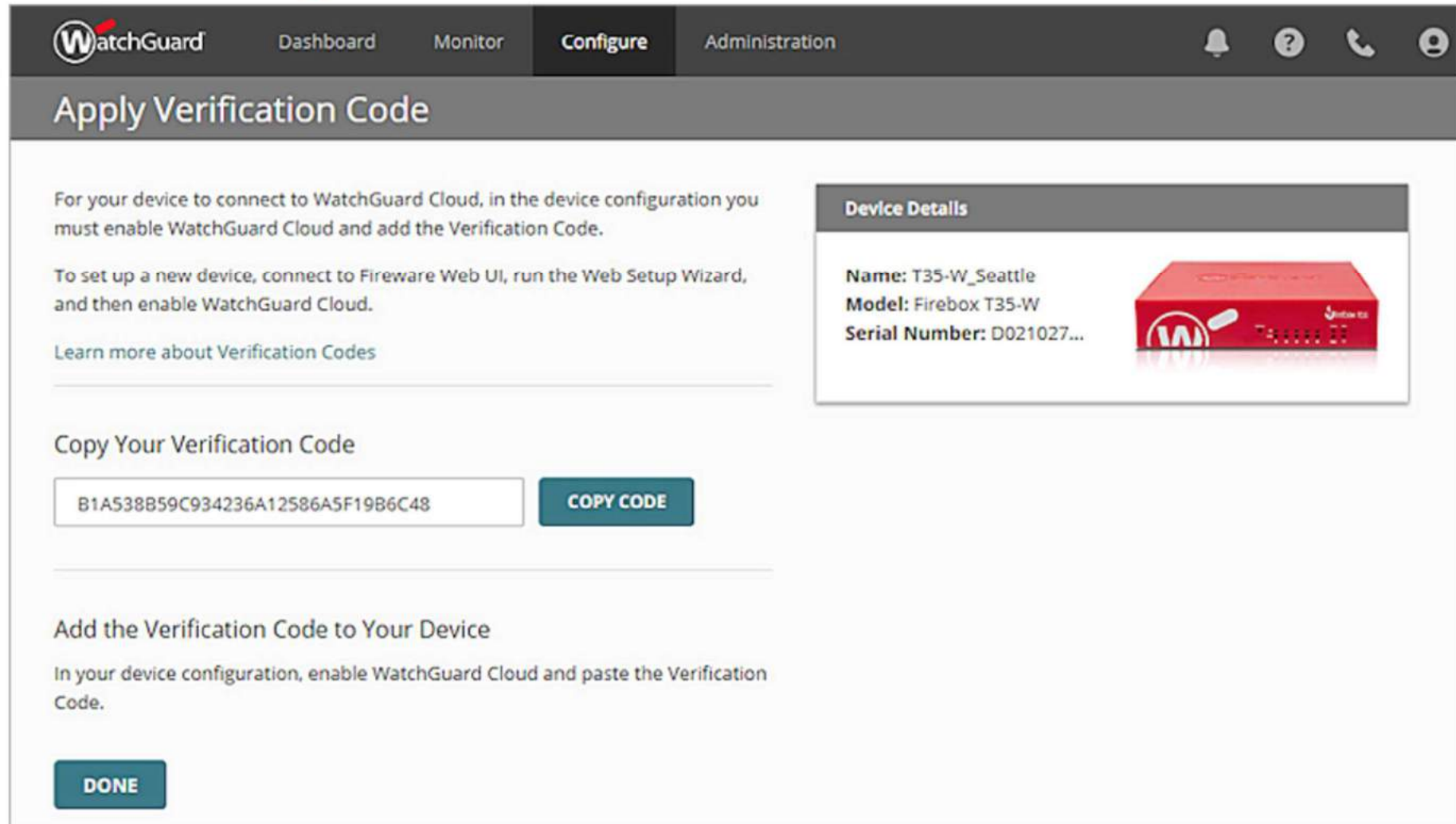
- Firebox Systeme werden nicht automatisiert hinzugefügt (wenn diese im www.watchguard.com Account aktiviert wurden).
- Um eine aktivierte Firebox hinzuzufügen nutzen Sie **Add Device**



Zwei Möglichkeiten zur Aktivierung

- Neue Firebox Systeme können über zwei Wege hinzugefügt werden:
 - **Apply Verification Code**
 - Hierbei wird ein Code generiert, der manuell in die Konfiguration der Firebox übernommen werden muss.
 - **Setup with RapidDeploy**
 - Hiermit kann RapidDeploy verwendet werden, um über die WatchGuard Cloud eine vorbereitete Konfiguration zu verwenden.
 - Diese Möglichkeit besteht nur für Firebox Systeme, die eine **“Manufacturing Version”** von Fireware v12.3.1 oder höher haben.

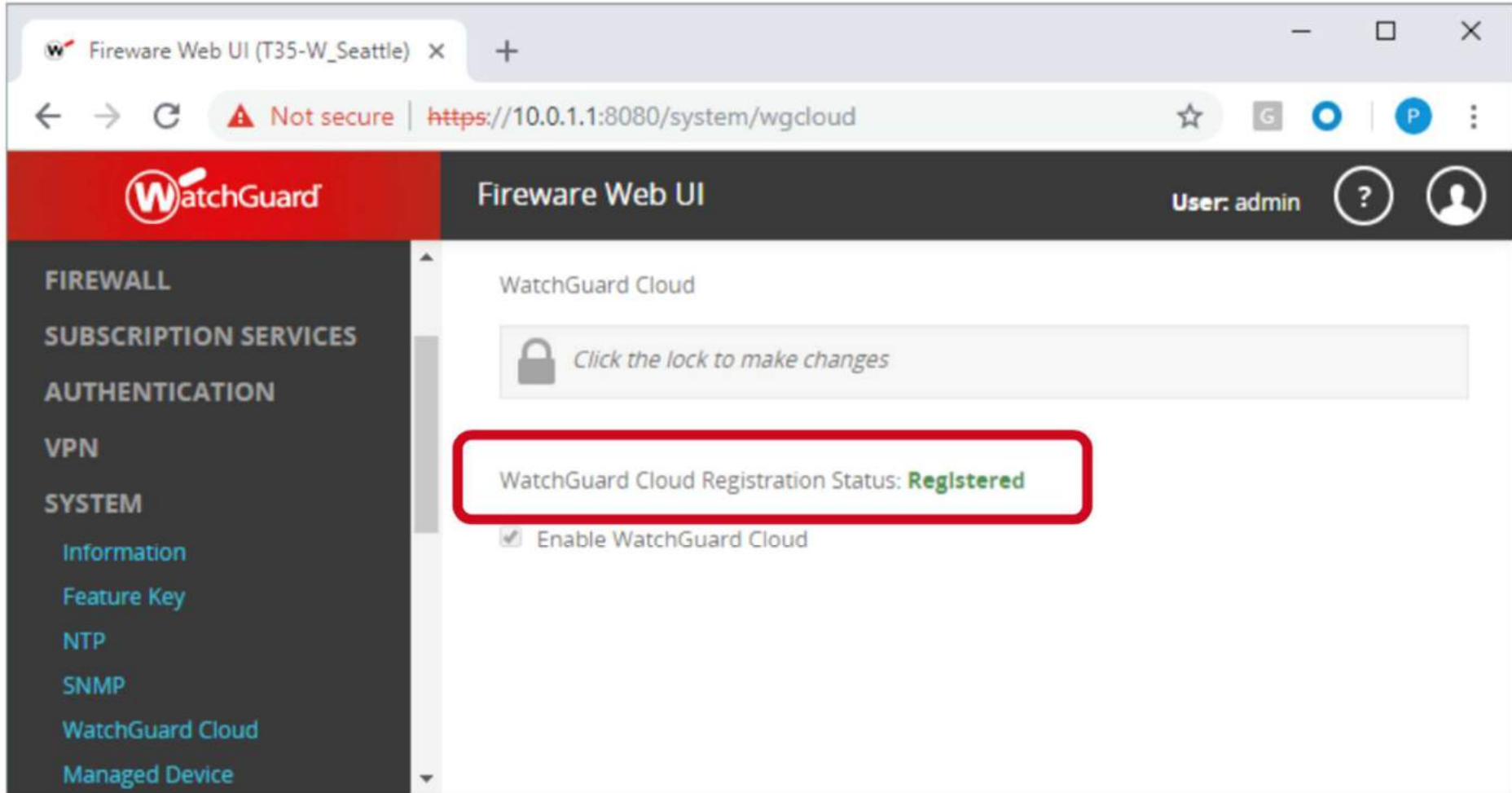
Hinzufügen über den Verification Code



The screenshot shows the WatchGuard web interface. The top navigation bar includes the WatchGuard logo, 'Dashboard', 'Monitor', 'Configure' (selected), and 'Administration'. On the right, there are icons for notifications, help, and user profile. The main content area is titled 'Apply Verification Code' and contains the following sections:

- Introduction:** A paragraph explaining that for a device to connect to WatchGuard Cloud, WatchGuard Cloud must be enabled and a Verification Code added in the device configuration.
- Setup Instructions:** A paragraph stating that to set up a new device, the user should connect to the Fireware Web UI, run the Web Setup Wizard, and then enable WatchGuard Cloud.
- Learn more about Verification Codes:** A link to learn more.
- Device Details:** A box containing:
 - Name:** T35-W_Seattle
 - Model:** Firebox T35-W
 - Serial Number:** D021027...
 - Image:** A red Firebox T35-W device.
- Copy Your Verification Code:** A text input field containing the code 'B1A538B59C934236A12586A5F19B6C48' and a 'COPY CODE' button.
- Add the Verification Code to Your Device:** A section with instructions to enable WatchGuard Cloud and paste the code in the device configuration, followed by a 'DONE' button.

Firebox Konfiguration



The screenshot displays the WatchGuard Fireware Web UI interface. The browser address bar shows the URL `https://10.0.1.1:8080/system/wgcloud`. The page title is "Fireware Web UI" and the user is logged in as "admin". The left sidebar contains navigation options: FIREWALL, SUBSCRIPTION SERVICES, AUTHENTICATION, VPN, and SYSTEM. Under the SYSTEM menu, "WatchGuard Cloud" is selected. The main content area shows the "WatchGuard Cloud" configuration page. A lock icon and the text "Click the lock to make changes" are visible. The "WatchGuard Cloud Registration Status" is highlighted with a red box and shows "Registered". Below this, the "Enable WatchGuard Cloud" checkbox is checked.

Fireware Web UI (T35-W_Seattle) x +

Not secure | `https://10.0.1.1:8080/system/wgcloud`

WatchGuard Fireware Web UI User: admin

FIREWALL

SUBSCRIPTION SERVICES

AUTHENTICATION

VPN

SYSTEM

- Information
- Feature Key
- NTP
- SNMP
- WatchGuard Cloud
- Managed Device

WatchGuard Cloud

Click the lock to make changes

WatchGuard Cloud Registration Status: **Registered**

Enable WatchGuard Cloud

Status der Verbindung prüfen

WatchGuard Fireware Web UI

User: admin

Dashboard Monitor **Configure** Administration

Device Manager << **Configure** T35-W_Seattle

Example Company (Root)

- T35-W_Seattle

Device Settings

Connected

Device Information

Name	T35-W_Seattle
Model	Firebox T35-W
Version	12.4.B589044
Serial Number	D02102718C5FC
Uptime	9 Days

License Details

Total Security Suite	
Status	Valid
Expiration	2019-12-07
Data Retention	30 Days

40.97.180.2	5 kbps	670 KB	6	visibility Enabled
40.97.160.2	2 kbps	7 KB	1	REBOOT

Besonderheit: FireCluster

- Spezielle Anforderung für FireCluster Systeme:
 - Fireware v12.4 muss installiert sein
- Active/Active FireCluster
 - Beide Systeme benötigen Total oder Basic Security
- Active/Passive FireCluster
 - Der Master benötigt Total oder Basic Security

Logging im Regelwerk aktivieren/prüfen

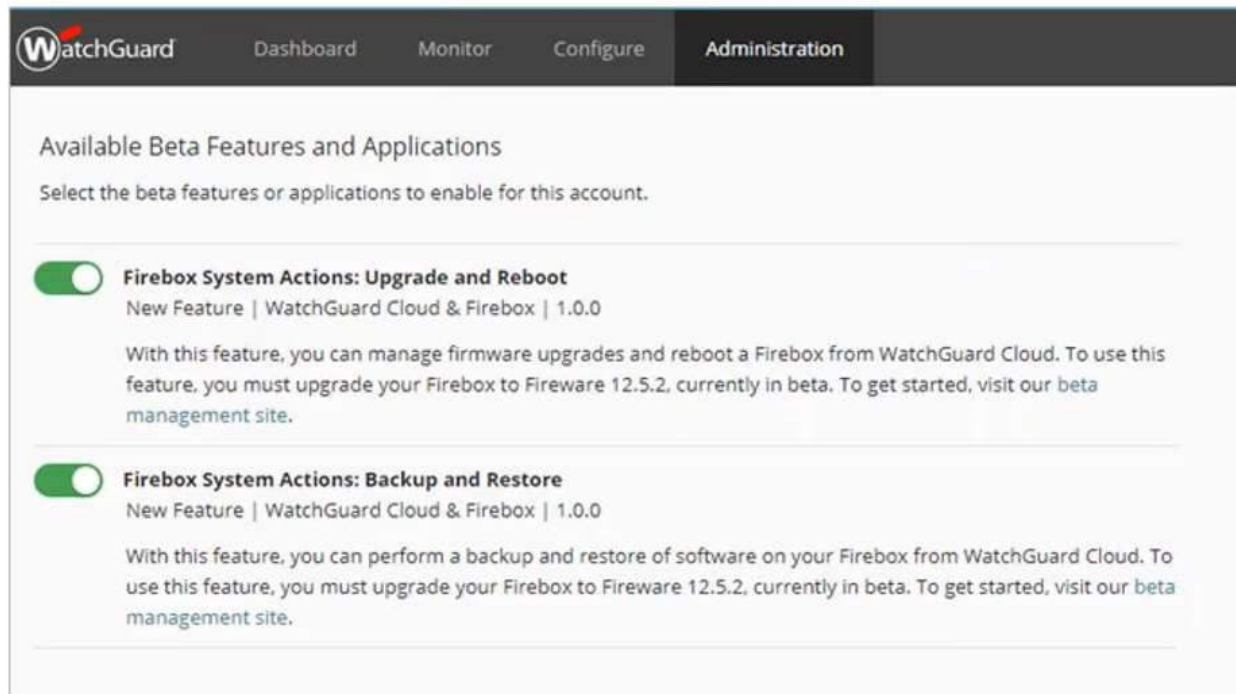
- Das Firebox System sendet Log Informationen an die WatchGuard Cloud, sodass Dashboards und Reports generiert werden können.
- Die Funktion Logging for Reports **solte für die meisten Firewall-Regeln aktiviert werden**, um aussagekräftige Reports und Dashboards zu erhalten.
- Ein Firebox System kann **parallel auch einen WatchGuard Dimension Server nutzen** – beide Möglichkeiten sind gleichzeitig verwendbar.



Upgrade Firmware

Enable Beta Features

- Enable beta features in your WatchGuard Cloud account
 - To see available beta features, in WatchGuard Cloud, select **Administration > Beta Features**
 - Enable each feature you want to test



The screenshot shows the WatchGuard Cloud Administration interface. The top navigation bar includes the WatchGuard logo and tabs for Dashboard, Monitor, Configure, and Administration. The main content area is titled "Available Beta Features and Applications" and contains the following information:

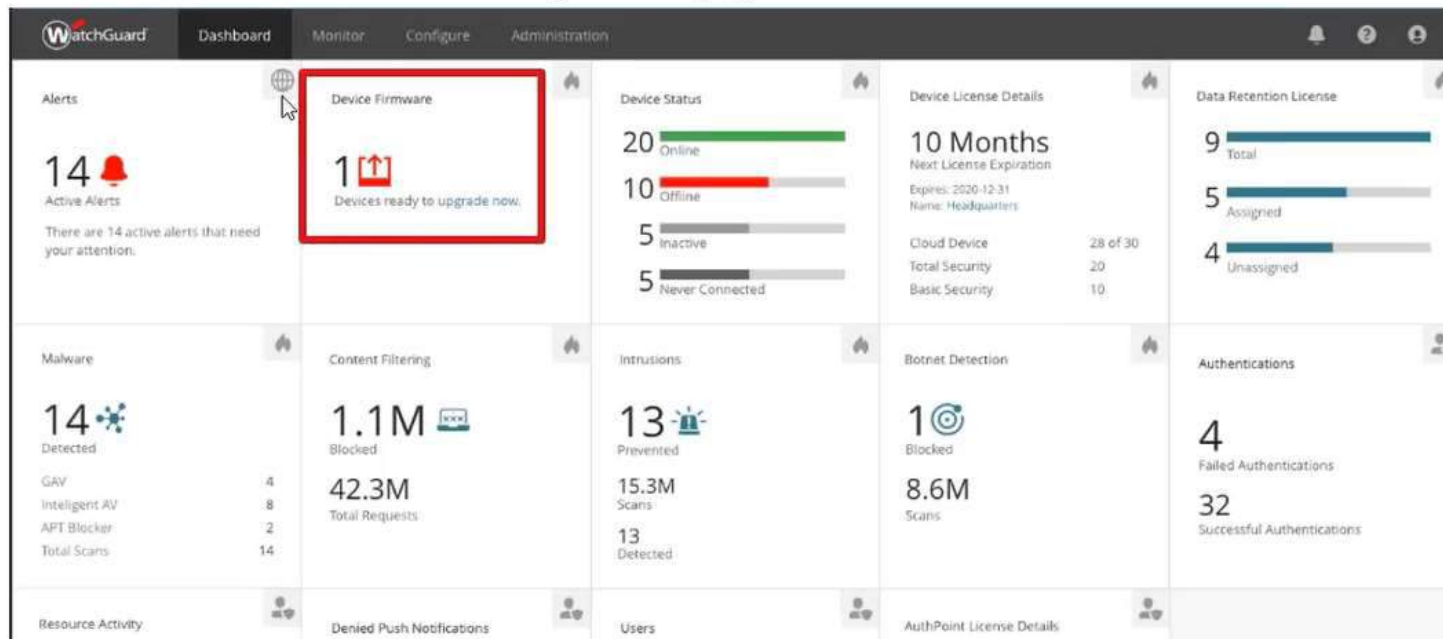
Available Beta Features and Applications
Select the beta features or applications to enable for this account.

- Firebox System Actions: Upgrade and Reboot**
New Feature | WatchGuard Cloud & Firebox | 1.0.0
With this feature, you can manage firmware upgrades and reboot a Firebox from WatchGuard Cloud. To use this feature, you must upgrade your Firebox to Fireware 12.5.2, currently in beta. To get started, visit our beta management site.
- Firebox System Actions: Backup and Restore**
New Feature | WatchGuard Cloud & Firebox | 1.0.0
With this feature, you can perform a backup and restore of software on your Firebox from WatchGuard Cloud. To use this feature, you must upgrade your Firebox to Fireware 12.5.2, currently in beta. To get started, visit our beta management site.



Upgrade Firmware

- The Firebox firmware is Fireware OS
- From WatchGuard Cloud, you can schedule a firmware upgrade for a Firebox that runs Fireware v12.5.2 or higher
- The WatchGuard Cloud Dashboard shows the number of devices that are ready to upgrade



Firmware Upgrade Overview

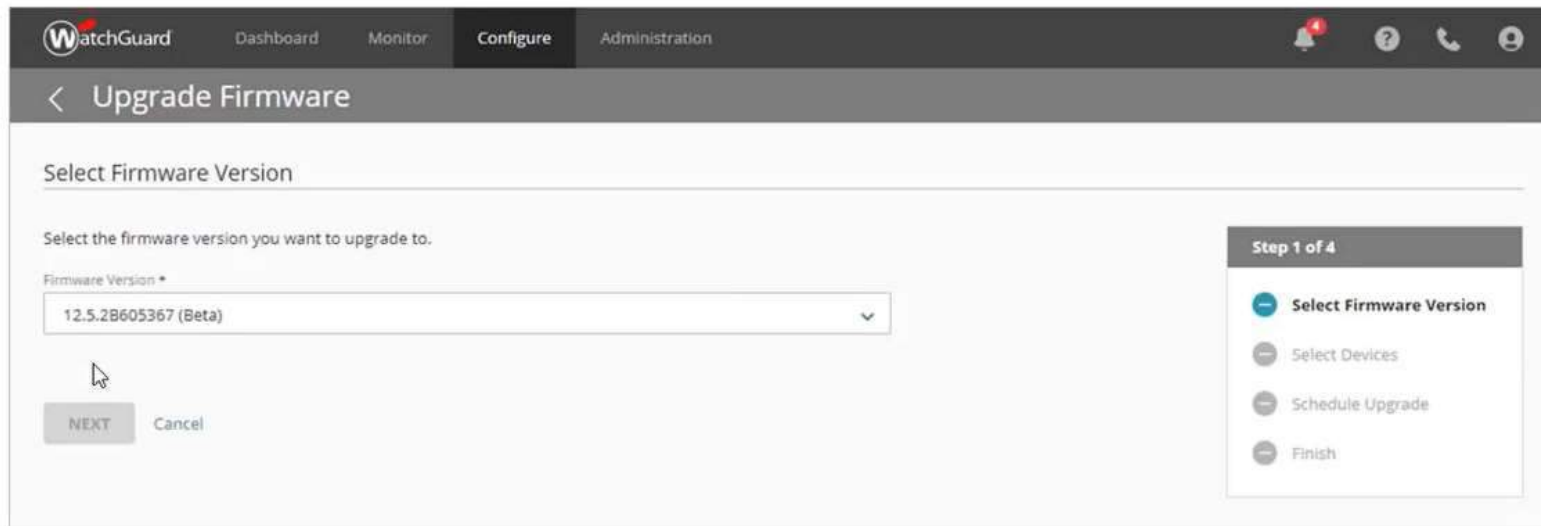
- To see an overview of upgrade status for all devices:
 - On the **Configure** page, select the root level folder
 - Click **Firmware Upgrades** to see the upgrade overview:
 - **Ready to upgrade now** — Devices that are online, with an upgrade available
 - **Scheduled to upgrade** — Devices that have an upgrade scheduled
 - **Pending upgrade** — Devices that have an upgrade in progress
 - **Failed to upgrade** — Devices that failed to upgrade

The screenshot displays the WatchGuard management console for 'Example Company'. The 'Configure' tab is selected and highlighted with a red box. The left sidebar shows 'Fireboxes' as the active section, with 'Firmware Upgrades' selected. The main content area is titled 'Firmware Upgrade Overview' and contains four summary cards:

Status	Count	Description
Ready to upgrade now	0 of 1	0 of 1 devices ready to upgrade now
Scheduled to upgrade	0	0 Devices scheduled to upgrade
Pending upgrade	0	0 Devices pending upgrade
Failed to upgrade	0	0 Devices failed to upgrade

Select the Firmware Version

- **Step 1** — select the **Fireware Version** to upgrade to
 - The three most recent versions of Fireware OS appear in the list



The screenshot displays the WatchGuard web interface for the 'Upgrade Firmware' process. The navigation bar at the top includes 'WatchGuard', 'Dashboard', 'Monitor', 'Configure', and 'Administration'. The main heading is 'Upgrade Firmware'. Below this, the instruction 'Select Firmware Version' is followed by 'Select the firmware version you want to upgrade to.' A dropdown menu labeled 'Firmware Version *' shows '12.5.2B605367 (Beta)' as the selected option. At the bottom left, there are 'NEXT' and 'Cancel' buttons. On the right side, a 'Step 1 of 4' progress indicator shows four steps: 'Select Firmware Version' (active), 'Select Devices', 'Schedule Upgrade', and 'Finish'.

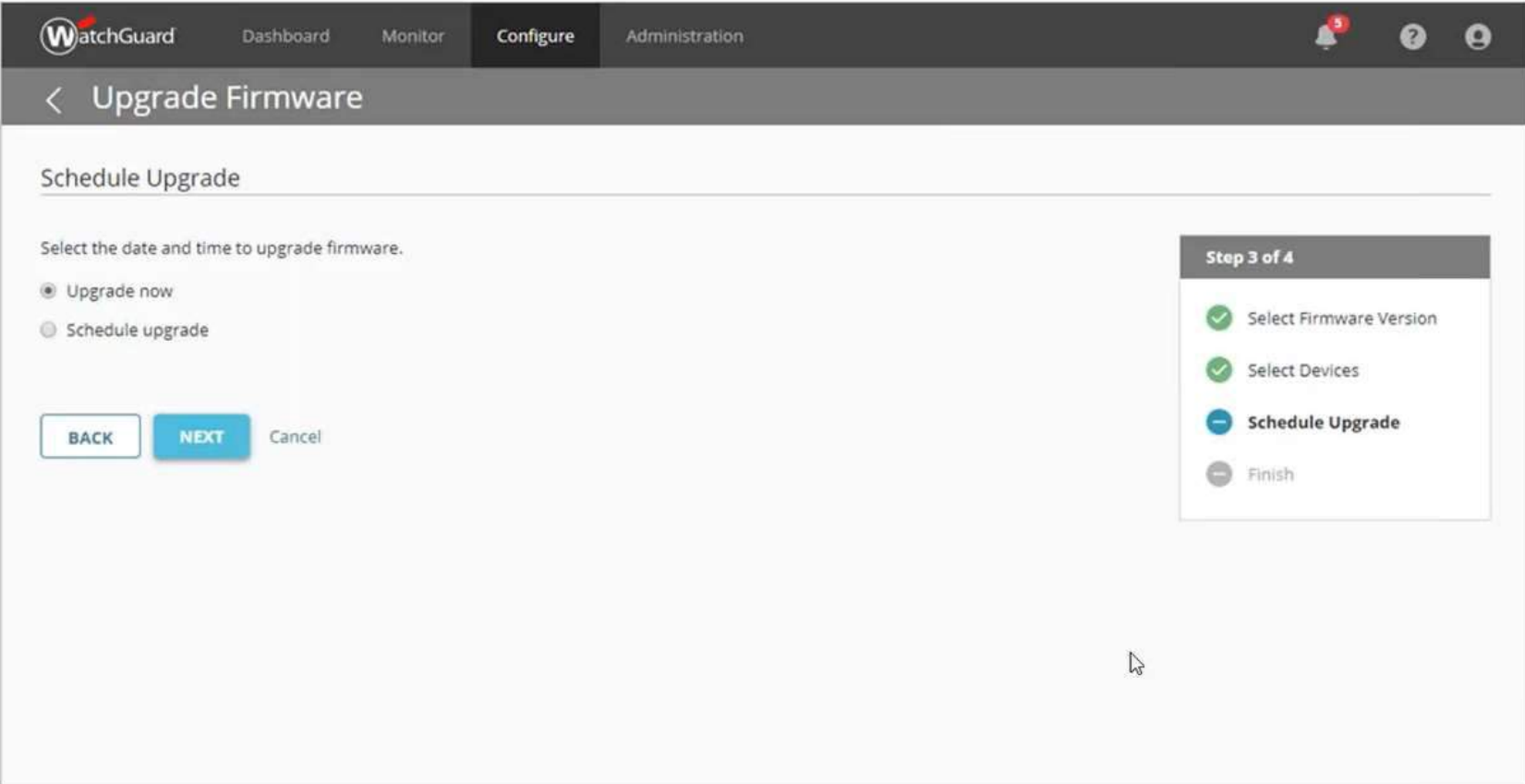
Select the Devices to Upgrade

- **Step 2** — Select the device or devices you want to upgrade
 - The device you select must run Fireware v12.5.2 or higher

The screenshot displays the 'Upgrade Firmware' interface. At the top, there is a back arrow and the title 'Upgrade Firmware'. Below this is a section titled 'Select Devices' with the instruction 'Select the devices you want to upgrade.' A list of devices is shown, each with a checkbox and a status icon. The first device is 'Watchguard' with a folder icon and a checked checkbox. The second device is 'FireboxV_LG - v12.5.2.B604833' with a green dot icon and a checked checkbox. At the bottom left, there are three buttons: 'BACK', 'NEXT' (which is highlighted in blue), and 'Cancel'. On the right side, there is a 'Step 2 of 4' progress indicator with four steps: 'Select Firmware Version' (checked with a green checkmark), 'Select Devices' (highlighted with a blue minus sign), 'Schedule Upgrade' (unchecked with a grey minus sign), and 'Finish' (unchecked with a grey minus sign).

Select the Upgrade Schedule

- **Step 3** — Select whether to upgrade the devices now or schedule an upgrade to run in the future



The screenshot shows the WatchGuard web interface for configuring a firmware upgrade. The navigation bar at the top includes 'WatchGuard', 'Dashboard', 'Monitor', 'Configure', and 'Administration'. The current page is titled 'Upgrade Firmware' and is at 'Step 3 of 4'. The main content area is titled 'Schedule Upgrade' and contains the instruction 'Select the date and time to upgrade firmware.' There are two radio button options: 'Upgrade now' (selected) and 'Schedule upgrade'. Below these are three buttons: 'BACK', 'NEXT', and 'Cancel'. On the right side, a progress indicator shows four steps: 'Select Firmware Version' (checked), 'Select Devices' (checked), 'Schedule Upgrade' (current step, highlighted with a blue circle), and 'Finish' (disabled).

Schedule an Upgrade

- **Step 4** — For a scheduled upgrade, select the **Start Date**, **Start Time** and **Time Zone** when the upgrade will occur

WatchGuard Dashboard Monitor **Configure** Administration

< Upgrade Firmware

Schedule Upgrade

Select the date and time to upgrade firmware.

Upgrade now

Schedule upgrade

Start Date *
2019-11-18

Start Time *
09:27

Time Zone *
(UTC-05:00) Bogota, Lima, Quito, Rio Branco

BACK NEXT Cancel

Step 3 of 4

- ✓ Select Firmware Version
- ✓ Select Devices
- **Schedule Upgrade**
- Finish

Firebox Backup and Restore

Firebox Backup and Restore

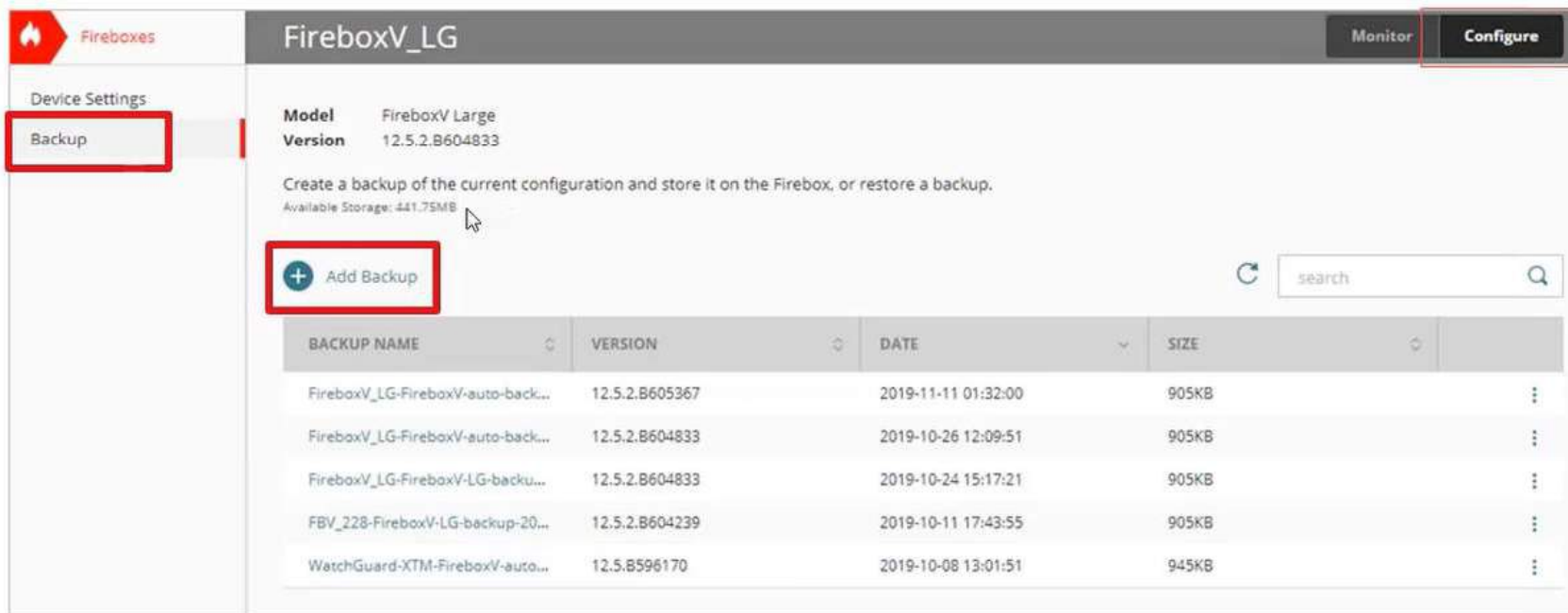
- From WatchGuard Cloud you can:
 - Create a new backup image to be stored on the Firebox
 - Restore a previously saved backup image to the Firebox
- All backup images stored on the Firebox are visible in WatchGuard Cloud
- WatchGuard Cloud does not have an option to export a backup image from the Firebox to a file
 - To export a backup image, use Fireware Web UI or Policy Manager



You can only restore a backup image that is compatible with Fireware v12.5.2 or higher

Create a Backup Image

1. On Device Manager, in the navigation pane, select a Firebox and click **Backup**
2. On the Backup page, click **Add Backup**



The screenshot shows the WatchGuard Device Manager interface for a FireboxV_LG device. The 'Configure' tab is selected, and the 'Backup' option in the left navigation pane is highlighted. The main content area displays the device's model and version, a description of the backup process, and a table of existing backups. The 'Add Backup' button is highlighted with a red box.

Device Settings

Backup

Model FireboxV Large
Version 12.5.2.B604833

Create a backup of the current configuration and store it on the Firebox, or restore a backup.
Available Storage: 441.75MB

+ Add Backup

BACKUP NAME	VERSION	DATE	SIZE	
FireboxV_LG-FireboxV-auto-back...	12.5.2.B605367	2019-11-11 01:32:00	905KB	⋮
FireboxV_LG-FireboxV-auto-back...	12.5.2.B604833	2019-10-26 12:09:51	905KB	⋮
FireboxV_LG-FireboxV-LG-backu...	12.5.2.B604833	2019-10-24 15:17:21	905KB	⋮
FBV_228-FireboxV-LG-backup-20...	12.5.2.B604239	2019-10-11 17:43:55	905KB	⋮
WatchGuard-XTM-FireboxV-auto...	12.5.B596170	2019-10-08 13:01:51	945KB	⋮

Live Demo





Vielen Dank!

***NOTHING GETS
PAST RED.***

