

# U-Series Appliance 3.3 Installation Guide



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# **U-Series Appliance Installation**

This guide provides information on U-Series 20 and U-Series 50 and diagnostics information. This guide is intended for network security administrators responsible for protecting their organization's computing assets. A familiarity with networking and security concepts is needed.

#### **FCC Certification**

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

## Limited Hardware U-Series Appliance Warranty

This hardware U-Series Appliance is accompanied by a three-year manufacturer's warranty based on the invoice date. (Extended warranties available on request.) The warranty covers all hardware, including internal components supplied in this shipment. The warranty does not cover additional items, such as keyboards, monitors, and mice, not included in this shipment. During the warranty period, the U-Series Appliance will be repaired or replaced at no cost under the warranty terms.

Due to continuing changes in the computer industry, if a replacement is necessary, the U-Series Appliance manufacturer reserves the right to make product substitutions of equal or greater value.

Do not ship any U-Series Appliance without first contacting BeyondTrust Technical Support to coordinate any repairs or replacements. Do not try to repair the U-Series Appliance yourself.

Please back up all data before having the U-Series Appliance serviced or repaired. Neither BeyondTrust nor the U-Series Appliance manufacturer warrants that operation of the U-Series Appliance will be uninterrupted or error-free. In no event will BeyondTrust or the U-Series Appliance manufacturer be responsible or liable for loss or integrity of any data on the U-Series Appliance or any storage media.

## Warranty Invalidation

This warranty is void in the event that:

- the U-Series Appliance is damaged due to accident, abuse, misuse, problems with electrical power, modifications or servicing not authorized by BeyondTrust or the U-Series Appliance manufacturer, or failure to operate in accordance with the U-Series Appliance instructions.
- serial tags, receiving numbers, product stickers, or manufacturer seals have been removed, altered, or tampered with.
- the U-Series Appliance is opened for any reason.
- the U-Series Appliance is damaged due to improper or inadequate packaging when returned for repair or replacement.
- the U-Series Appliance has been tampered with, such as overclocking.

Labor and services performed on items or systems that are found not to be defective may be subject to a separate charge. In addition, the U-Series Appliance manufacturer reserves the right to charge a ten percent restocking fee for items returned which are found not to be defective.





# IMPORTANT!

Do not log on to the Console or Remote Desktop to the Virtual U-Series Appliance unless directed to do so by BeyondTrust Technical Support. Installing any software or changing any additional settings may void your warranty.



# **U-Series Appliance Requirements**

In this document, "U-Series Appliance" applies to U-Series 20, U-Series v20, U-Series 20 SQL Free, U-Series v20 SQL Free, and U-Series 50.

#### Client Requirements

Supported browsers:

- · Microsoft Edge
- Firefox
- · Google Chrome
- Safari
- Microsoft Internet Explorer (IE) 11

#### **U-Series Appliance Requirements**

- 10/100/1000MB Ethernet Connection
- TCP/IP v4
- Rack Mount

#### Physical U-Series Appliance Package Contents

The U-Series Appliance package consists of the following items. Please verify all materials listed are present and free from visible damage or defects before proceeding. If any item appears to be missing or damaged, please contact BeyondTrust Technical Support.

- U-Series Appliance
- · Two Power Cords
- · Getting Started Guide
- Rack Mount Kit

## **Virtual U-Series Appliance Specifications**

#### U-Series v20 and U-Series v20 SQL Free

Requirement	Description
Hard Disk	300GB
RAM	Note: For a BeyondInsight deployment with a local SQL Server instance, the minimum requirement is 32GB. If SQL Server is remote or can be turned off based on the roles you are configuring, the minimum requirement can be set to 16GB.
OS	Microsoft Windows Server 2016 Standard



Requirement	Description
Database	Microsoft SQL Server 2016 Standard
	Note: The database information does not apply to the U-Series v20 SQL Free. The U-Series v20 SQL Free does not include a database.
Form Factor	VMware VMDK for ESXi 5.5 or later or and Microsoft VHD for Hypervisor-V (Gen 2 2012 R2 or later) USB 2.0 flash drive for distribution



**Note:** The license included with the U-Series v20 and U-Series v20 SQL Free for Microsoft Windows Server 2016 covers up to 16 cores on the physical virtualization (host) server.

# **Physical U-Series Appliance Specifications**

## U-Series 20 Specifications

Specification	Description
AC Input Voltage	110 to 240 VAC
Rated Input Frequency	50 to 60Hz
Cooling	5 Standard Fans; 1 Standard 1U Heatsink.
Chassis	Chassis with up to 8, 3.5in. Hard Drives
Dimensions	1U rack-mountable server H: 1.68in. (4.28cm) (10.75in. shipping) W: 18.97in. (48.18cm) (24in. shipping) D: 26.89in. (68.30cm) (35.75in. shipping) Weight: approx 45lbs. (48lbs. shipping)
Microprocessor	Intel Xeon Silver 4112, 2.6GHz, 4-Core, 8-Thread, 8.25M Cache, Turbo, HT
Hard Drive	2 × 2TB 7.2 RPM NLAS 12Gbps 512n 2.5in Hot-plug
RAM	128GB
RAID Configuration	RAID 1
RAID Controller	PERC H730P, 2GB NV Cache
NIC	Broadcom 57416 2 Port 10Gb Base-T + 5720 2 Port 1Gb Base-T, rNDC
Power Supply	Dual, hot-plug, Redundant Power Supply (1+1), 495W
Power Cords	2 × NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m)
Rack Rails	ReadyRails™ Sliding Rails with Cable Management Arm
PCIe Riser	Risers with up to 4, x8 PCle Slots + 2, x16 PCle Slots
Operating System	Embedded Windows Server 2016 Standard
Database	Microsoft SQL Server 2016 Standard



## U-Series 20 SQL Free

Specification	Description
AC Input Voltage	110 to 240 VAC
Rated Input Frequency	50 to 60Hz
Cooling	5 Standard Fans; 1 Standard 1U Heatsink.
Chassis	Chassis with up to 8, 3.5in. Hard Drives
Dimensions	1U rack-mountable server H: 1.68in. (4.28cm) (10.75in. shipping) W: 18.97in. (48.18cm) (24in. shipping) D: 26.89in. (68.30cm) (35.75in. shipping) Weight: approx 45lbs. (48lbs. shipping)
Microprocessor	Intel Xeon Silver 4112, 2.6GHz, 4-Core, 8-Thread, 8.25M Cache, Turbo, HT
Hard Drive	2 × 2TB 7.2 RPM NLAS 12Gbps 512n 2.5in Hot-plug
RAM	128GB
RAID Configuration	RAID 1
RAID Controller	PERC H730P, 2GB NV Cache
NIC	Broadcom 57416 2 Port 10Gb Base-T + 5720 2 Port 1Gb Base-T, rNDC
Power Supply	Dual, hot-plug, Redundant Power Supply (1+1), 495W
Power Cords	2 × NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m)
Rack Rails	ReadyRails™ Sliding Rails with Cable Management Arm
PCIe Riser	Risers with up to 4, x8 PCle Slots + 2, x16 PCle Slots
Operating System	Embedded Windows Server 2016 Standard

## U-Series 50 Specifications

Specification	Description
AC Input Voltage	110 to 240 V AC, autoranging
Rated Input Frequency	50 to 60Hz
Cooling	8 Standard Fans, 2 Standard 1U Heatsinks
Chassis	Chassis with up to 8, 3.5in. Hard Drives
Dimensions	1U rack-mountable server H: 1.68in. (4.28 cm) (10.75in. shipping) W: 18.97in. (48.18cm) (24in. shipping) D: 26.89in. (68.30cm) (35.75in. shipping) Weight: approx 45lbs. (48lbs. shipping)
Microprocessor	2 x Intel Xeon Silver 4110, 2.1GHz, 8-Core, 16-Thread, 11M Cache, Turbo, HT
Hard Drive	8 x 960GB SSD SAS Mix Use 12Gbps 512n 2.5in. Hot-plug
RAM	256GB
RAID Configuration	RAID 10



Specification	Description
RAID Controller	PERC H740P, 8GB NV Cache
NIC	Broadcom 57416 2 Port 10Gb Base-T + 5720 2 Port 1Gb Base-T, rNDC
Power Supply	Dual, hot-plug, Redundant Power Supply (1+1), 750W
Power Cords	2 x NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m)
Rack Rails	ReadyRails™ Sliding Rails with Cable Management Arm
PCIe Riser	Risers with up to 4, x8 PCIe slots + 2, x16 PCIe slots
Operating System	Embedded Windows Server 2016 Standard
Database	Microsoft SQL Server 2016 Standard



**Note:** All BeyondTrust U-Series Appliances, physical and virtual, are licensed for the Microsoft Windows Server Operating System and Microsoft SQL Server based on Microsoft Core CAL licenses. U-Series Appliances ship with the Microsoft Certificate of Authenticity (COA) as proof of this licensing.



# View U-Series Appliance Firewall Settings and Port Requirements

## Firewall Settings

- · All outgoing ports are allowed.
- · Incoming ports are limited to the default Windows rules (includes allowing DCOM), plus the following:

#### **TCP Ports**

Port	Purpose	Target Program/System Resource	Initial Status
80	НТТР	System	Enabled
443	HTTPS	System	Enabled
445	SMB	System	Disabled
1433	SQL Server	C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\Binn\sqlservr.exe	Enabled
2000	App Bus	C:\Program Files(x86)\Common Files\eEye Digital Security\Application Bus\eeyeevnt.exe	Disabled
2383	SQL Analysis Services	C:\Program Files\Microsoft SQL Server\MSAS13.MSSQLSERVER\OLAP\bin\msmdsrv.exe	Enabled
3389	RDP	C:\Windows\System32\svchost.exe	Enabled
4422	Session Monitoring SSH	C:\Program Files(x86)\eEye Digital Security\Retina CS\pbsmd.exe	Enabled
4489	Session Monitoring RDP	C:\Program Files(x86)\eEye Digital Security\Retina CS\pbsmd.exe	Enabled
5022	SQL Server Mirroring	C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER\MSSQL\Binn\sqlservr.exe	Enabled
5985	WinRM	System; Restricted to 10.0.0.0-16	Enabled
8530	WSUS HTTP	System	Disabled
8531	WSUS HTTPS	System	Disabled
10001	Central Policy v1	C:\Program Files(x86)\eEye Digital Security\Retina CS\REMCentralPolicyService.exe	Enabled
21690	App Bus	(C:\Program Files(x86)\Common Files\eEye Digital Security\Application Bus\eeyeevnt.exe	Enabled
21690	Event Server	C:\Program Files(x86)\Common Files\eEye Digital Security\Event Server\REMEventsSvc.exe	Enabled
21691	Android Mobile Connector via BeyondInsight Web Service	C:\Program Files(x86)\eEye Digital Security\Retina CS\eEye.RetinaCS.WebService.exe	Disabled

## **UDP Port**

Port	Purpose	Target Program/System Resource	Initial Status
4609	Appliance Discovery	C:\Program Files(x86)\Common Files\eEye Digital Security\Scheduler\eeyeschedulersvc.exe	Enabled



## **ICMPv4** Protocol

Port	Purpose	Target Program/System Resource	Protocol	Initial Status
Any	ICMP Type 3, Code 4- Destination Unreachable Fragmentation Needed	Any	ICMPv4	Enabled
Any	ICMP Type 8- Echo	Any	ICMPv4	Enabled



# Access Features from the U-Series Appliance LCD Panel

You can access the following features from the U-Series Appliance LCD panel.

#### Access Settings Menu

To access the settings:

The LCD panel displays *Please wait*. Once the U-Series Appliance completes the powering procedures, the U-Series Appliance displays the following actions.

#### LCD Panel Functionality

LCD Panel	Description
V	Press the check to enter or accept the setting.
<b>△</b> ▼	Press the up or down arrow to navigate through the menus.
<b>■</b>	Press the right or left arrow to access settings in the menu.
×	Press the X to cancel the setting.

#### **Enable RDP**

From the LCD panel, start where U-Series 20 Ready is displayed.

- 1. Press the check to enter Settings / Show IP.
- 2. Press check . The IP address of the U-Series Appliance is displayed.
- 3. Hold both the up  $\triangle$  and down  $\bigvee$  buttons for four seconds. Do not do anything else between the previous step and this one.

#### Reset Administrator Password

- 1. Check the Allow LCD Panel to Reset Administrator Password box.
- 2. If needed, go to the U-Series Appliance to reset the administrator password.
- 3. Select Show IP to view the IP address.
- 4. Hold the up  $\triangle$  and down  $\bigvee$  buttons simultaneously on the U-Series Appliance LCD panel. A random password is generated.
- 5. Press the check to accept the changed password.

On a U-Series Appliance with Windows Server 2016, you cannot reset an administrator account from the LCD panel. A locked administrator account is unlocked after 20 minutes. Try logging on again after the 20-minute timeout period. If the account remains locked, contact BeyondTrust Technical Support.



## **U-Series Appliance Version**

- 1. On the LCD panel, select **Versions** with the check .
- 2. Scroll through with the left or right arrows to see the version for the U-Series Appliance, BeyondInsight, Discovery Scanner, and audits.

## Power Off

You can power off the U-Series Appliance using the LCD panel. To power off, on the LCD panel, select **Power Off**. The U-Series Appliance powers off.



# Set Up the U-Series Appliance

The U-Series Appliance is designed to be configured and used with a web browser.



#### **IMPORTANT!**

If you purchased Professional Services, schedule your engagement with your Professional Services representative before starting the Configuration Wizard.

#### Power on the U-Series Appliance

- 1. Plug the power cables for the U-Series Appliance into a safe power source. The U-Series Appliance's power supplies automatically switch between 120V and 240V, as needed.
- 2. Plug a network cable into the network interface port.
- Press and release the power button on the front of the U-Series Appliance. The power LED immediately to the right of the reset button illuminates, and the HDD activity LED (immediately to the right of the power LED) begins to flash. Initialization of the U-Series Appliance completes in about 60 seconds.



**Note:** The NIC1 and NIC2 LEDs may illuminate and show activity even when the U-Series Appliance is not powered on; therefore, it is important to check the power and HDD LEDs to confirm that the U-Series Appliance is on.

## Perform Initial Network Configuration

The U-Series Appliance is configured to use DHCP and receives an assigned IP address. To access your U-Series Appliance the first time, open a browser on a device on the same network subnet as the U-Series Appliance. Enter the U-Series Appliance's factory IP address as displayed on the LCD screen, preceded by <a href="https://no.10.123.456">https://no.10.123.456</a>. You can find this IP address using the LCD display of the U-Series Appliance. You will need the IP address later in the process when you configure the U-Series Appliance.

## **Display IP Address**

To display the IP address, select **Show IP** on the LCD panel. The IP address automatically displays.

## **Automatically Enter IP Address**

On the LCD panel, select **Config IP**, then select **Auto DHCP**. The U-Series Appliance automatically updates the IP address to the DHCP protocol.

## Manually Enter IP Address

On the LCD panel, select Config IP, then select Manual. Enter the IP Address, Subnet Mask, Gateway, DNS 1 and DNS 2.

#### Hardware Notes

The integrated Dell Remote Access Controller (iDRAC) is configured to use the primary interface (LAN1). The iDRAC shares the interface with Windows. By default, iDRAC is not configured.



The U-Series Appliance has more than one adapter. If all adapters are used, the adapter chosen during scan time is determined by the route associated with it.



# **Configure U-Series Appliance Virtual Images**

The U-Series v20 can be shipped to you as a virtual image in VMware or Hyper-V. The U-Series v20 is based on the Windows Server 2016 version of the U-Series Appliance.



For virtual machine requirements, please see "Virtual U-Series Appliance Specifications" on page 5.

## **Import the Virtual Machine**



## **IMPORTANT!**

Review the following important setup details before proceeding:

The image must be installed directly from the USB drive. Do not copy the files to a local computer.

Do not insert the USB drive into a computer where an AV engine might change the attributes of the file. Otherwise, the image may appear to be corrupt.

We recommend that you do NOT join the Virtual U-Series Appliance to a domain. If this is a requirement, please contact BeyondTrust Services for assistance.

If multiple U-Series Appliance images are being configured to test high availability, ensure each virtual image has an appropriate BeyondTrust license and is imported separately from the USB flash drive. Cloning an image using Hypervisor utilities is not supported. Each image must be a unique import.

Before you can configure the Virtual U-Series Appliance, you must go through the following steps to prepare the virtual image.

#### **VMware**

- 1. In vSphere Client, select File > Deploy OVF Template.
- 2. Browse to the VMWare folder > .ova package.
- 3. Go through the wizard.

#### Hyper-V



**Note:** You must retain the unique ID (UUID) of the virtual machine that was shipped to you. Otherwise, the licensing for the Microsoft software shipped to you might be deactivated.

The following procedure is a guide only. For more detailed information about Hyper-V features, refer to Hyper-V product documentation.

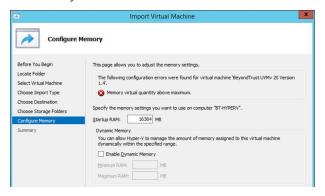
- In Hyper-V Manager, select the host machine, then select Action > Import Virtual Machine. If the Before You Begin page appears, click Next. Otherwise, go to step 4.
- 2. On the **Locate Folder** page, browse to the USB key provided by BeyondTrust. Find the folder containing the image, and select the name
- 3. Click the **Select Folder** button at the bottom.





**Note:** The folder you want to select contains three other folders (Virtual Machine, Virtual Hard Drive, Snapshots). Do not import the VHD directly.

- On the Select Virtual Machine page, verify that the machine appears in the list and click Next.
- 5. On the Choose Import Type page, make sure you retain the existing unique ID.
- 6. Restore the Virtual Machine (use the existing unique ID) and click Next.
- 7. If you already copied the contents of the USB flash drive to your server, you can optionally use the **Register** selection in the list. Do not copy and create a new ID, or you will break the Windows and SQL Server licensing in place on the virtual machine.
- 8. On the Choose Destination page, select where you want to store your virtual machine files.
- 9. The default behavior is to import the files to the default Hyper-V folders set by your server configuration. If you want to override this, check the **Store the Virtual Machine** in a different location box and browse to your locations.
- Select where you want to store the imported VHD and click Next. If there are any issues with the import, additional steps will appear.
  - For example, a Virtual U-Series Appliance is configured to use a minimum of 32GB of RAM. If your server does not support this much RAM or have enough RAM available, the message *Memory virtual quantity above maximum* appears.
- 11. Review the import settings.
- 12. Click Finish to import the U-Series Appliance.



# **Configure the IP Address**

You can use the following account to set your IP address.

Account Name: btadmin

Password: ch@ngeM3now#!#!



Note: If you completed the Configuration Wizard, you have already changed the password.

- 1. Log on to the VM using the btadmin account.
- 2. Double-click the Local Area Connection on the desktop.
- Click the **Properties** button.
- 4. From the list, select Internet Protocol Version 4.
- 5. Click the **Properties** button.
- 6. Enter the IP address and DNS server fields, as needed.



# Configure the BeyondTrust U-Series Appliance

There are two parts to configuring your U-Series Appliance:

- **Deployment wizard**: Intended for infrastructure teams. Includes setting up networking details, such as time zone, IP address settings, Internet connections, and so on.
- Configuration wizard:Intended for security administrators. Includes BeyondTrust licensing, selecting roles selection, setting up how to receive updates from BeyondTrust, and selecting a solution.

## Run the Deployment Wizard

SQL Server can be included as part of your U-Series Appliance, or you can use your own SQL Server deployment. If SQL Server is part of your U-Series Appliance package, a license key for SQL Server is included along with the Windows Operating System key and the BeyondInsight key.

If you are using a U-Series Appliance virtual image, you must configure the virtual image before proceeding with the U-Series Appliance configuration.

- Open a browser and enter the IP address for the U-Series Appliance, https://[U-Series Appliance IP address].
- 2. The SSL certificate warning window displays. The SSL certificate automatically created for the U-Series Appliance ensures encrypted communications.

We recommend that you replace the automatically generated certificate with a valid certificate issued by a certificate authority. Check the box to not display the information page again. The Internet Explorer warnings will be displayed until the SSL certificate is installed or a valid certificate is obtained.

- 3. Select Continue to this Website.
- 4. Read through the deployment and configuration details, and then click Start Deployment.
- 5. Create an administrator account name, including the password and email address. Click Create Admin.
- 6. License details are displayed on the **Licensing Agreements** page for **BeyondTrust**, **Microsoft**, and **SQL Server**. Accept the licensing agreements that apply to you. If you purchased all three, select **Accept All 3 Licensing Agreements**.
- 7. Enter the name for the U-Series Appliance.



## **IMPORTANT!**

Once you have named your U-Series Appliance, it cannot be renamed. If at any point you need to rename the appliance, you must either re-image (if it is a physical appliance) or re-deploy (if it is a virtual appliance) the image.

- 8. The IP address can be manually configured or automatically assigned. Enter the network details to manually configure the IP address. Otherwise, select **Obtain IP address automatically (DHCP)**.
- 9. On the Internet Connection page, select one of the following ways to enter the license keys and to receive updates:
  - Connect to the internet for licensing and updates. (No proxy required): Select if there is an Internet connection and no proxy server.
  - Connect to the internet for licensing and updates through a proxy server: Select if you use a proxy server.
  - No Internet connection. (Perform manual updates): Select if the U-Series Appliance does not have an Internet connection.
- 10. On the Timezone and Time Settings page, select a time zone and synchronization settings. Date and synchronization settings include:

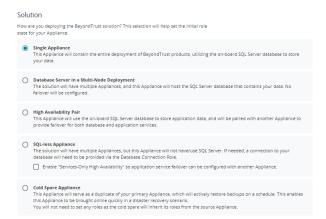


- · Use NTP server for time
- · Manually Configure Date and Time
- Enable VMware Tools periodic time synchronization
- 11. On the SMTP Settings page:
  - Enter the SMTP server IP address and port. The default port number is 25.
  - Optionally, select SSL to enforce SSL encryption when accessing the server.
  - Check the SMTP Server requires authentication box to use credentials to access the server.
- 12. Review the deployment settings, and then click Finish.

It can take a few minutes for the deployment settings to apply. If any errors occur, you can click **Back** to change settings, if needed. If the deployment is successful, select **Proceed to Configuration Wizard**.

## Run the Configuration Wizard

- On the BeyondTrust Licenses page, enter the U-Series Appliance serial number and select Get License Key. The
  BeyondInsight License Key box is populated with the key. Select License Appliance to apply the key. If you are working offline,
  go to <a href="https://licensing.beyondtrust.com">https://licensing.beyondtrust.com</a> to get the BeyondInsight license key. Click Next.
- 2. On the **Solution** page, select an item from the list that represents your implementation for the U-Series Appliance.
  - Single U-Series Appliance
  - · Database Server in a Multi-Node Deployment
  - High Availability Pair
  - SQL-less U-Series Appliance
  - · Cold Spare U-Series Appliance

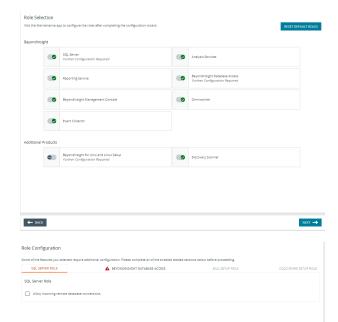


- 3. On the Roles Options page, select the default roles or select to go through the Role Questionnaire.
- 4. On the Role Questionnaire page, go through the list of questions and check the boxes for the questions that apply to your solution. Recommended roles are listed on the Role Selection page based on your questionnaire results. Click Next to see the roles.

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On the Role Selection page, select the roles you want to use. The screen capture indicates there are roles that require further configuration. Click Next.



- On the Role Configuration page, select the tab for the respective role to set up that feature.
  - SQL Server Role: Select Allow incoming remote database connections, and then enter the database password.
  - BeyondInsight Database Access: Select the database
    server and enter the database logon details. When
    configuring a local database, select an authentication type. When you select SQL Server, Username is populated with the
    same user name in the Configuration wizard during your initial U-Series Appliance setup. The account is created with least
    privilege. Optionally, enter command timeout and connection timeout values. In a database cluster scenario, you can turn
    on multi subnet failover here.
  - **BIUL Setup Role**: If you select **Remote**, provide the database details to access the remote database, including server name, database name, port number (default is 1433), and database logon details. Click **Test Connection** to ensure the database can be accessed from your U-Series Appliance.
  - Cold Spare Setup Role: Set up the Restore Location where backups are stored from the production server this cold spare would replace, if that need ever arises (disaster recovery, failure, network issue, etc.). The cold spare machine consumes those backups and performs a restore on them at the scheduled interval. A temporary name is used to ensure that there are no DNS name resolution conflicts, if your network is not segregated. This temporary name is used until the appliance is taken out of *Cold Spare* mode, which happens when you disable the Cold Spare role.



## **IMPORTANT!**

While it is possible to **rename** the Administrator accounts later, we recommended choosing account names carefully during installation (next step), to **avoid** renaming them later.

- 7. On the **User Credentials** page, enter logon credentials for the following user accounts: BeyondInsight, Central Policy, and BeyondTrust Updater.
- 8. On the **Backup and Restore** page, set up the location and schedule for backup files. The backup can be set up later in Maintenance; select **I will setup my Appliance later through Maintenance**, and then click **Next**.
- 9. On the **Updates** page, select to automatically download updates using BeyondTrust Updater Server. Optionally, select **Do not check for updates** to opt out of this feature.
- 10. Click Finish.

The BeyondInsight configuration provides the same least privilege SQL Server account during the database configuration.

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For more information about the permissions assigned to that account, please see section "Least Privilege Database User Account Setup" in the <u>BeyondInsight Installation Guide</u> at <a href="https://www.beyondtrust.com/docs/beyondinsight-password-safe/documents/bi/bi-install.pdf">https://www.beyondtrust.com/docs/beyondinsight-password-safe/documents/bi/bi-install.pdf</a>.

## **Key Management Service Support**

After installation and configuration, if your server does not automatically discover the Key Management Service (KMS) server, you may receive a *Windows activation failed* message. Specify the KMS key and IP address again.

You can replace our key with a known Volume License Key and then call into your KMS server to count against your total (number of licenses).

To activate your volume license key:

- 1. From the Maintenance menu, select Accounts and Licensing.
- 2. Under **Microsoft Key Management Server Configuration**, enter your volume license key and the address of the server to validate and track the license.
- 3. Click Activate Volume License Key.



For more information, please see <u>Why did Windows activation fail on my EC2 Windows instance?</u> at https://aws.amazon.com/premiumsupport/knowledge-center/windows-activation-fails/.