



## **Riverbed**

### **Exam Questions 101-01**

Riverbed Certified Solutions Associate

#### NEW QUESTION 1

Which SteelHead Mobile feature can dynamically disable client optimization when in an office equipped with a local SteelHead?

- A. Location Awareness
- B. Data store synchronization
- C. Fixed-target rules
- D. Branch WarmingE, Connection Forwarding

**Answer:** A

**Explanation:** Location awareness enables SteelHead Mobile to detect that it is in a branch office with a SteelHead, and it enables the SteelHead to optimize SteelHead Mobile traffic.

#### NEW QUESTION 2

When optimizing MAPI, it's important that ALL sessions between client and server are optimized by the same SteelHeads. If a SteelHead goes into admission control that could mean some sessions are passed through. What can you configure to protect against this?

- A. Disable admission control on the client side SteelHead.
- B. Reduce the keep-alive for MAPI sessions.
- C. Configure alerts to be sent when the SteelHead nears admission control.
- D. MAPI based admission control can be used.

**Answer:** C

**Explanation:** Example: Issue: Outlook clients are experiencing issues with connectivity through the Riverbed Steelhead Appliance.

Solution: Outlook can open multiple connections to an Exchange server, and Outlook can break if some connections are optimized while others are not, and these situations can occur when the Steelhead reaches Admission Control. RiOS 6.1 has implemented new "MAPI-specific admission control" alarm which is meant to prevent MAPI connections from breaking or hanging if approaching that threshold.

Note: The MAPI protocol uses several TCP sessions between the client and the server.

When doing Latency Optimization on the MAPI protocol, all these TCP sessions between that client and that server need to be optimized between the same two Steelhead appliances.

When one of the Steelhead appliances is close to admission control, there is a chance that not all these TCP sessions will become optimized, with a bad result for the client.

To overcome this possibility, you can configure the Steelhead appliance to not do MAPI Latency Optimization when it is close to admission control.

References:

[http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr\\_na-c02948720&lang=en-us&cc=us](http://h20564.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c02948720&lang=en-us&cc=us)

#### NEW QUESTION 3

Clients connect to which interface on the SteelCentral Controller for SteelHead Mobile?

- A. Primary or aux
- B. Primary only
- C. Inpath0\_0 only
- D. Aux only

**Answer:** C

**Explanation:** The InPath0\_0 interface is used for optimized data transmission. It is used for client connect

#### NEW QUESTION 4

Which SteelHead optimization feature provides layer 7 acceleration?

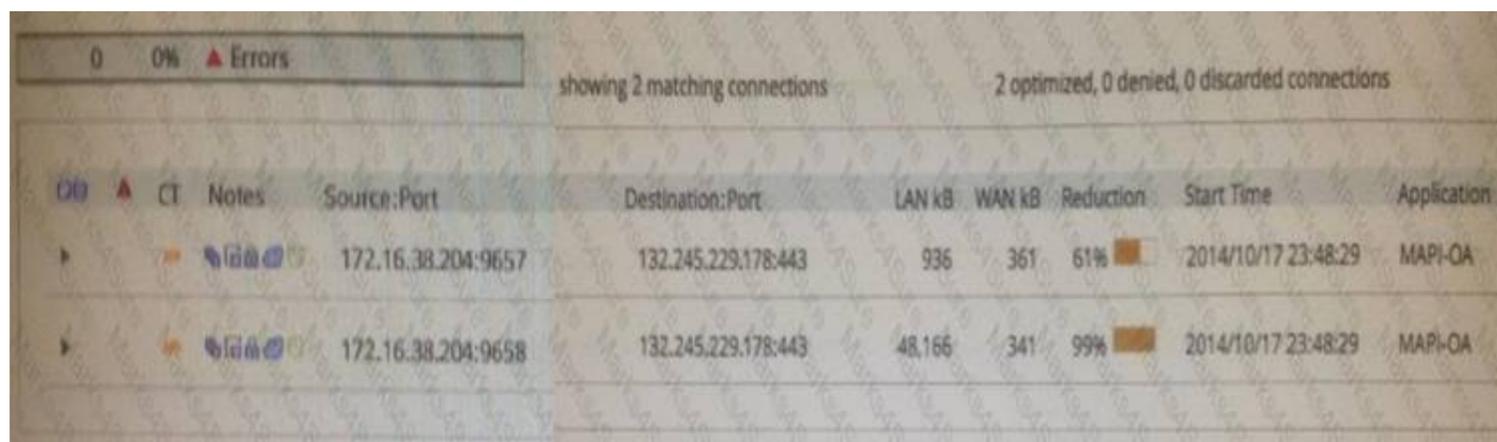
- A. MXTCP
- B. SDR
- C. LZ
- D. Optimization blades
- E. HSTCP

**Answer:** D

**Explanation:** Blade optimization is done at layer 7.

#### NEW QUESTION 5

Looking at the figure, could we say if the connection is optimized by SH SaaS?



CT	Notes	Source:Port	Destination:Port	LAN kB	WAN kB	Reduction	Start Time	Application
		172.16.38.204:9657	132.245.229.178:443	936	361	61%	2014/10/17 23:48:29	MAPI-OA
		172.16.38.204:9658	132.245.229.178:443	48,166	341	99%	2014/10/17 23:48:29	MAPI-OA

- A. Yes, because we see the Cloud icon in the notes Section.
- B. N
- C. You must look in the connection details.
- D. N
- E. Although 132.245.229.178 is a Microsoft address the optimization could be happening through a Cloud SH and not SH SaaS.

**Answer: C**

#### NEW QUESTION 6

You have a SteelHead with paths over a public and a private network. You want to encrypt the traffic which goes via the public network. Which are the relevant SteelHead configuration requirements? (Choose two.)

- A. The peer SteelHead must be marked as a Cloud SteelHead in the local SteelHead peering table.
- B. The network must be set to 'public' by ticking the 'Public Network' box in the configuration.
- C. A SteelCentral Controller for SteelHead must be used to push the secure transport configuration.
- D. The In-Path IP address of the SteelHead must be in public address space.

**Answer: B**

**Explanation:** B: Because secure transport was built taking hybrid networking into account, you can configure a private and public IP address. The public IP address relies on reachability over a network marked Public. This configuration allows the controller to first be reached over the private network and then the public network.

#### NEW QUESTION 7

When optimizing SSL, trust is established between which hosts? (Select three.)

- A. Client side SteelHead and server-side SteelHead
- B. Client side SteelHead and server
- C. Server-side SteelHead and server
- D. Client PC and server-side SteelHead

**Answer: ABC**

**Explanation:** References:

<https://support.riverbed.com/bin/support/static/lrj6rq1evg0fnm7pekuq3j2md1/html/vte4p5uj2dkg9k1ukjv82835>

#### NEW QUESTION 8

A SteelHead in the datacenter is a server side out-of-path mode. What will the source IP address of the client be, as seen by the server?

- A. The client's real IP address
- B. The client's SteelHead in-path IP address
- C. The server-side SteelHead Primary IP address
- D. The server-side SteelHead in-path IP address

**Answer: C**

**Explanation:** References:

<https://support.riverbed.com/bin/support/static/a1rkfcik73lqpk3ii1qs6rgsjj/html/b4molvjchlgg2lknt0so321tgs/sh>

#### NEW QUESTION 9

Which HTTP optimization feature uses an algorithm to determine which objects are likely to be requested for a specific web page, and prefetches them so available when the client makes the request?

- A. Gratuitous 401 Messages
- B. URL Learning
- C. Object Prefetch Table
- D. Strip Compression
- E. Parse-and-Prefetch

**Answer: E**

**Explanation:** References:  
<https://support.riverbed.com/bin/support/download?did=333>

#### NEW QUESTION 10

When optimizing protocols such as signed SMB or encrypted MAPI, which of the following is true?

- A. Special configuration is always necessary on the Domain Controller.
- B. The server-side SteelHead must be joined to the domain.
- C. The domain administrator password must be made available to the SteelHead.
- D. The client-side SteelHead must be joined to the domain.

**Answer:** B

**Explanation:** The server-side Steelhead appliance must be joined to the Windows Domain in order to Enable SMB Signing or to enable encrypted MAPI.

#### NEW QUESTION 10

You wish to pass-through traffic to a particular server from a large number of remote sites, all optimized by SteelHeads. You know that it can be done on a single SteelHead. Which type of rule would you configure?

- A. Peering pass-through rule on the server-side SteelHead
- B. Peering pass-through rule on the client-side SteelHead
- C. In-path pass-through rule on the server-side SteelHead
- D. In-path pass-through rule on the client-side SteelHead

**Answer:** B

**Explanation:** Configuring Pass-Through Transit Traffic

Transit traffic is data that is flowing through a Steelhead appliance whose source or destination is not local to the Steelhead appliance.

This can be configured through Manual peering and in-path rules. References:

Steelhead Appliance Deployment Guide, Including the Steelhead Mobile Controller, December 2013, page 31-32

<https://support.riverbed.com/bin/support/download?did=a53lcljdv9s5oc0agjp851iol>

#### NEW QUESTION 13

A server side SteelHead deployment is to be out-of-path (SSOOP).

Which of the below are limitations compared to physical or virtual in-path? (Choose two.)

- A. Auto discovery is not supported.
- B. Port or full transparency is not supported.
- C. Only one SteelHead is supported on the server side.
- D. Data store synchronization is not possible.
- E. Only enhanced auto discovery can be used.

**Answer:** AC

**Explanation:** A: OOP configuration does not support auto-discovery. You must create a fixed-target rule on the clientside Steelhead.

C: An out-of-path deployment is generally located on the server-side and is often described as a server-side outof-path deployment.

In an out-of-path deployment, only a SteelHead primary interface is required to connect to the network. The SteelHead can be connected anywhere in the LAN. An out-of-path SteelHead deployment does not have a redirecting device. You configure fixed-target in-path rules for the client-side SteelHead. The fixed-target in-path rules point to the primary IP address of the out-of-path SteelHead. The out-of-path SteelHead uses its primary IP address when communicating to the server. The remote SteelHead must be deployed either in a physical or virtual in-path mode.

#### NEW QUESTION 16

A SteelHead is joined to a Windows domain using the Windows Active Directory administrator password. In order to use transparent authentication to optimize signed SMB2 traffic, which of the following is true?

- A. SMB2 signing optimizations must be enabled on the server -side SteelHead only.
- B. SMB2 signing optimizations must be enabled on both the client-side and server-side SteelHeads.
- C. A delegation or replication account must be configured on client-side SteelHead.
- D. A delegation or replication account must be configured on both the client-side and server-side SteelHeads.

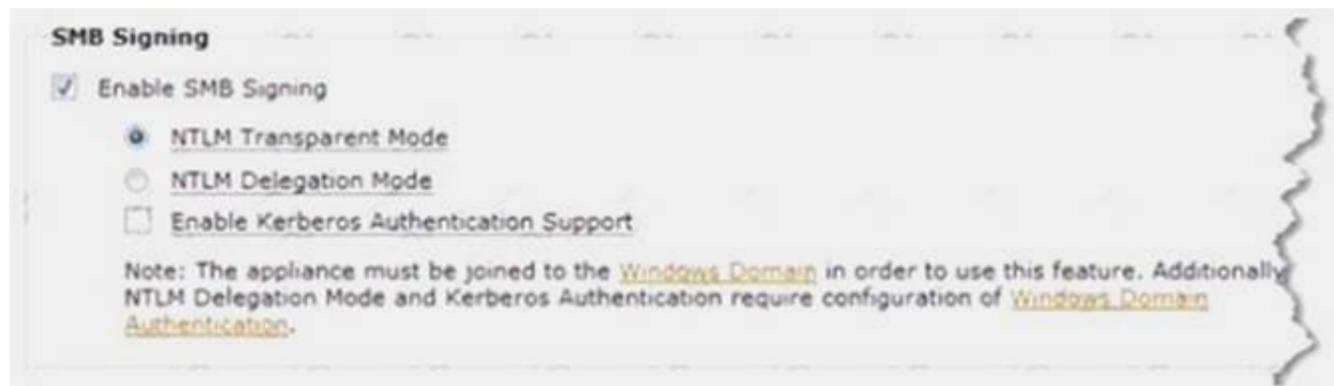
**Answer:** A

**Explanation:** Configure the Steelhead appliance to optimize Secure Windows traffic Configuration steps for Signed SMB and Signed SMB2

3.2.1 On the server-side Steelhead navigate to Configure > Optimization > CIFS (SMB1).

3.2.2 Under the SMB Signing section, check the 'Enable SMB Signing' checkbox

3.2.3 Ensure the 'NTLM Transparent Mode' option is selected



References:

Optimization in a Secure Windows Environment, White Paper , pages 35-36

[https://support.riverbed.com/download.htm?filename=public/doc/technotes/Windows\\_security\\_guide.pdf](https://support.riverbed.com/download.htm?filename=public/doc/technotes/Windows_security_guide.pdf)

#### NEW QUESTION 20

By default, when a SteelHead fails, either by power loss or optimization service failure, the appliance:

- A. Blocks all traffic.
- B. Routes all traffic.
- C. Passes through all traffic.

**Answer: C**

#### NEW QUESTION 22

The auto-discovery probe uses which TCP option number (in decimal)? (Hint: Use the calculator)

- A. 78
- B. 76
- C. 66
- D. Auto-discovery does not use TCP options

**Answer: B**

#### NEW QUESTION 25

When determining which model SteelHead is appropriate for deploying into a site, which of the following are important? (Choose three.)

- A. Available WAN link speed
- B. Total number of optimized connections expected
- C. WAN link response time to servers
- D. Data store capacity

**Answer: ABD**

**Explanation:** Generally, you select a SteelHead model based on the number of users, the bandwidth requirements, and the applications used at the deployment site. e. However:

References:

SteelHead Deployment Guide Including the SteelCentral Controller for SteelHead Mobile, December 2014 (page 16)

<https://support.riverbed.com/bin/support/download?did=hcsksjojd701t4t8v5s5qomoj7>

#### NEW QUESTION 28

The SteelHead makes a connection to its peers using the Out of Band splice. What does the OOB splice do?

- A. All optimized connections flow over the OOB splice.
- B. The OOB splice is only used by SteelHead mobile clients.
- C. The OOB splice is only used to check the peer SteelHead is available.
- D. It is control channel that is used to exchange version and feature information between SteelHeads.

**Answer: D**

**Explanation:** An OOB splice is an independent, separate TCP connection made on the first connection between two peer Steelhead appliances used to transfer version, licensing and other OOB data between peer Steelhead appliances. An OOB connection must exist between two peers for connections between these peers to be optimized. If the OOB splice dies all optimized connections on the peer Steelhead appliances will be terminated.

References:

<http://ccie11440.blogspot.se/2009/12/out-of-band-oob-splice.html>

#### NEW QUESTION 29

When deploying a SteelHead on an 802.1Q trunk, which one of the following statements is true?

- A. Simplified routing must be disabled.
- B. The in-path interface must be configured on the native VLAN.
- C. The VLAN tag on which the in-path interface is configured is the only subnet which will be optimized.
- D. All optimized traffic will be sent on the in-path VLAN tag unless full transparency is enabled.
- E. 802.1Q trunks are only supported on the Interceptor appliance.

**Answer:** D

**Explanation:** A SteelHead can be deployed physically in-path on an 802.1Q trunk link, and can optimize connections where packets have been tagged with an 802.1Q header.

If correct addressing or port transparency is used, the SteelHead uses the configured in-path VLAN ID when transmitting packets towards the WAN. When using the full address transparency WAN visibility mode, SteelHeads maintain the VLAN ID (along with IP address and TCP ports) when transmitting packets on the WAN side of optimized connections.

#### NEW QUESTION 32

Your SteelCentral Controller for SteelHead Mobile is running at user license capacity with location awareness configured. No more client licenses can be used. Another client comes online requesting a license and there is no branch SteelHead available. What will happen?

- A. The controller will disconnect any idle clients to grant a license to the new user.
- B. The controller will deny a license but all connections will be optimized.
- C. The controller will grant an emergency license and a limited number of connections will be optimized.
- D. The controller will deny a license and all connections will be passed-through.

**Answer:** A

#### NEW QUESTION 37

What is the purpose of Simplified Routing?

- A. Simplified routing will properly report netflow to the profiler in an out-of-path deployment allowing for the use of a "Fake interface ID".
- B. Simplified routing will allow for redundant gateways such as HSRP and VRRP and GLBP.
- C. Simplified routing enables an out-of-path SteelHead to understand the LAN and WAN side subnets.
- D. Simplified routing will prevent packets traversing the SteelHead more than once when the SteelHead is deployed on a transit subnet (AKA 'Packet Ricochet').
- E. Simplified routing will prevent VLAN leakage between Layer two domains when optimizing more than one VLAN.

**Answer:** D

**Explanation:** References:

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&cad=rja&uact=8&ved=0ahUKEwjhl>

#### NEW QUESTION 39

Which statement about virtual SteelHead is NOT true?

- A. It supports Quality of Service and Path Selection.
- B. It can fail to wire using VMware direct bypass feature from ESX 5.0 when utilizing a Riverbed hardware bypass card.
- C. It only supports one in-path interface and must be deployed virtually in-path.
- D. It can perform auto discovery in an in-path deployment.
- E. It can perform auto discovery in a virtual in-path deployment.

**Answer:** C

**Explanation:** Out-of-Path Deployment is possible.

For a virtual out-of-path (OOP) deployment, connect the primary interface to the physical in-path NIC to be used, and configure the router to forward traffic to this NIC. You must also enable OOP on Virtual Steelhead.

References:

Virtual Steelhead Installation Guide, Version 1.0 (RiOS v7.0.3), July 2012, page 13 <https://support.riverbed.com/bin/support/download?did=624>

#### NEW QUESTION 44

What files can be gathered from the SteelHead which would be useful for troubleshooting problems with QoS configuration? (Choose two.)

- A. TCP Dump
- B. System Dump
- C. Core Dump
- D. Process Dump

**Answer:** AB

**Explanation:** TCP Dump can be used to analyze QoS protocol traffic.

The System Dump Analyzer helps you investigate system dumps to identify potential problems with your Steelhead appliances and Riverbed configuration. Simply upload a system dump and view the results.

References: <https://support.riverbed.com/content/support/help.html>

#### NEW QUESTION 45

Connection forwarding without multi-interface support uses which interface for communication?

- A. Wan0\_0
- B. Remote
- C. Primary or Aux
- D. Lan0\_0
- E. Inpath0\_0

**Answer:** E

**Explanation:** References:

<https://support.riverbed.com/bin/support/static/oc1r4qa2pks6172bsj6fte42p4/html/dhatalm0otkq7neeb7h9e9dl8j>

#### NEW QUESTION 48

You want to ensure connections for a certain application are always optimized, and are forced to reconnect in the event that the SteelHead optimization service is restarted. Where can you configure this?

- A. Create a specific in-path rule for this application, and enable auto kickoff.
- B. Configure an 'application definition' for the application, and place it in an application group where kickoff is applied.
- C. Enable 'Reset Existing Client Connections on Start Up' in the general service settings.
- D. Create an 'application definition' for the application and select 'enable kickoff' in the application properties.

**Answer:** C

#### NEW QUESTION 52

Which authentication methods are available to secure the SteelHead appliance? (Choose three.)

- A. Kerberos
- B. RADIUS
- C. Local password database
- D. TACASS+
- E. NTLM

**Answer:** BCD

**Explanation:** You can log in to a SteelHead with a RADIUS or TACACS+ authentication system for administrative and monitoring purposes. The following methods for user authentication are provided with the SteelHead:

References: <https://support.riverbed.com/bin/support/static/fbunsuu0632vi3jrspe0evbko9/html/u2pi6l52l4drmhq3uhck9tu7h>

#### NEW QUESTION 56

What happens to path selection if the optimization service is stopped on the local SteelHead?

- A. Path selection will continue to work as it does not rely on the optimization service.
- B. Path selection will no longer apply and the traffic will follow its default route.
- C. Path selection will continue to work but with default rules.
- D. Path selection will continue to work as normal, but QoS will no longer be active.

**Answer:** A

**Explanation:** References:

[https://www.riverbed.com/document/fpo/RVRBD\\_FeatureBrief\\_RiOs\\_PathSelection\\_v3.pdf](https://www.riverbed.com/document/fpo/RVRBD_FeatureBrief_RiOs_PathSelection_v3.pdf)

#### NEW QUESTION 57

A package is available to download from the SteelCentral Controller for SteelHead Mobile for:

- A. Windows 32bit, 64bit and Mac operating systems individually (3 in all)
- B. All supported client operating systems in two files, 32 bit and 64bit
- C. All supported client operating systems as a single file.

**Answer:** A

**Explanation:** Package controls include: References:

SteelCentral Controller for SteelHead Mobile User's Guide, Version 4.6, September 2014, page 144

#### NEW QUESTION 61

When optimizing certain application protocols such as business continuity /data replication (BCDR) and Virtual Desktop Infrastructure (VDI), Riverbed often recommends the careful use of which network congestion algorithm?

- A. MXTCP
- B. SkipWare
- C. Bandwidth Estimation
- D. HSTCP

**Answer:** A

**Explanation:** Using Riverbed's unique MX-TCP functionality, combined with its Hierarchical Fair Service Curve (HSFC) QoS technology, users are simultaneously guaranteed bandwidth for their virtual desktop connections and some of the latency impact is mitigated. The results below show operational improvements for particularly common user actions; results will certainly vary based on use case and network design.

### NEW QUESTION 63

What is the best way to invoke and analyze a very large TCP dump on a remote SteelHead?

- A. Create a TCPDUMP on the SteelHead and analyze it with tshark from the CLI.
- B. Generate a TCPDUMP on the SteelCentral Controller for SteelHead (SCC) and upload it from the SCC.
- C. Use Riverbed NetProfiler to dissect the TCPDUMP.
- D. Connect to the SteelHead with HTTP(s), download the TCPDUMP and open it in Wireshark.
- E. Enable the embedded NetShark and connect to it using Riverbed Packet Analyzer software.

**Answer:** E

### NEW QUESTION 67

Which Simplified Routing mode is required when a Virtual SteelHead is deployed in a virtual in-path configuration?

- A. All
- B. None
- C. Destination Only
- D. Destination and Source

**Answer:** B

**Explanation:** The None option is required for virtual in-path deployments.

References:SteelheadAppliance Deployment Guide, Including the Steelhead Mobile Controller, December 2013, page 194

### NEW QUESTION 72

Which report would you use to monitor disk utilization in the SteelHead management console user interface?

- A. Reports > Data Store Cost
- B. Reports > Data Store Disk Load
- C. Reports > Data Store Hit Rate
- D. Reports > Data Store Status

**Answer:** B

**Explanation:** The Data Store Disk Load report summarizes the data store disk load due to SDR-only as related to the benchmarked capacity of the data store. Consider any value under 100 as healthy. Any value higher than 100 might indicate disk pressure. When a value is consistently higher than 100, contact Riverbed Professional Services for guidance on reconfiguring the data store to alleviate disk pressure.

The Data Store Disk Load report answers the following questions:

### NEW QUESTION 76

How does the SteelHead monitor path availability in Path Selection?

- A. Path availability is not monitored until traffic is sent over that pat
- B. Then the SteelHead uses standard TCP timeouts to monitor path integrity.
- C. The SteelHead uses ICMP ping to monitor path availability.
- D. The SteelHead creates an inner channel on each path and keep-alive packets are used to track availability.
- E. UDP keep-alives are periodically sent across each pat
- F. If a SteelHead does not receive two of these within a pre-defined timeout period, the path is declared down.

**Answer:** B

**Explanation:** RiOS 8.5 path selection technology provides the ability to deterministically re-direct select traffic and application flows through alternate WAN routes based on service metrics, such as path availability and priority.

Availability is determined by whether the host at the remote end of a path can be reached via end-to-end Internet Control Messaging Protocol (ICMP):

References:

<http://www.riverbednews.com/2013/08/path-selection-what-you-need-to-get-started/>

### NEW QUESTION 79

Packet mode optimization supports which types of in-path rules?

- A. Full Transparency Fixed-target
- B. Correct Addressing Auto Discovery
- C. Full Transparency Auto Discovery
- D. Correct Addressing Fixed-target

**Answer:** D

**Explanation:** References:

<https://support.riverbed.com/bin/support/static/fbunsuu0632vi3jrpe0evbko9/html/u2pi6l52l4drmhq3uhck9tu7h>

### NEW QUESTION 82

A Riverbed support case requires system dumps and/or TCP dumps to be generated and uploaded to the Riverbed support site. What is required in order to do this from the SteelCentral Controller for SteelHead (SCC)?

- A. RiOS version 8.5 and above
- B. An established management connection to the relevant SteelHead
- C. A valid support case number
- D. A valid support contract
- E. All of the above

**Answer:** A

**Explanation:** How to upload a system dump (sysdump) and other files to Riverbed Support.

Starting in RiOS 8.5.0, you may upload sysdump and tcpdump files directly from their respective pages in the Steelhead web interface. After creating the file, simply expand the filename entry and enter the Support case number. The Steelhead will connect using the FTP protocol to ftp.riverbed.com and upload a copy renamed to include the case number.

References:

<http://supportkb.riverbed.com/support/index?page=content&id=S13970>

#### NEW QUESTION 86

In order to achieve SteelHead SaaS optimization two things must happen. First acquire and install a subscription license to enable the feature, and then SteelHead SaaS must be configured.

Which statement correctly describes the configuration step?

- A. Every SteelHead is configured with a registration key included in a RiOS upgrade.
- B. All the configuration is done from the Riverbed Cloud Portal.
- C. Every SteelHead is configured with a new license in the standard form LK1-SHSaaS-XXX.
- D. Every SteelHead is configured with the same registration key copied from the Riverbed Cloud Portal.

**Answer:** B

**Explanation:** You can use the Riverbed Cloud Portal to register or de-register SteelHead SaaS appliances, obtain the service status, manage SSL certificates, manage licenses, and enable optimization for available SaaS applications.

Go to the Riverbed Cloud Portal > SaaS Platforms page and enable Acceleration Service for the SaaS application you want to optimized.

#### NEW QUESTION 89

Simplified Routing is recommended when:

- A. The SteelHead is in a different subnet from the client and servers.
- B. The SteelHead is in the same subnet as the clients and servers.
- C. The SteelHead is in the same subnet as the servers or clients.

**Answer:** A

**Explanation:** Enabling simplified routing eliminates the need to add static routes when the steelhead appliance is in a different subnet from the client and the server.

Note: Simplified routing changes the process used to select the destination Ethernet address for packets transmitted from in-path interfaces. Simplified routing collects the IP address for the next hop MAC address from each packet it receives to address traffic. With simplified routing, can use either the WAN or LAN-side device as a default gateway. The steelhead appliance learns the right gateway to use by watching where the switch or router sends the traffic, and by associating the next-hop Ethernet addresses with IP addresses.

References:

[http://h20564.www2.hp.com/hpsc/doc/public/display?docId=mmr\\_kc-0127411](http://h20564.www2.hp.com/hpsc/doc/public/display?docId=mmr_kc-0127411)

#### NEW QUESTION 92

When the SteelHead SaaS optimization service is correctly configured, how does the SteelHead identify the SaaS traffic that needs to be optimized?

- A. The SteelHead recognized the URL of the SaaS traffic using the DPI engine.
- B. The SteelHead must be configured with appropriate in-path rules on the cloud SteelHead.
- C. The SteelHead must be configured with appropriate in-path rules on the data center side.
- D. As part of the configuration, the SteelHead downloads a list of IP addresses that correspond to SaaS servers.
- E. The SteelHead must be configured with appropriate in-path rules on the client side.

**Answer:** E

**Explanation:** You can configure what traffic a Steelhead appliance optimizes and what other actions it performs, using the following:

In-path rules are used only when a connection is initiated. Because connections are typically initiated by clients, in-path rules are configured for the initiating, or client-side, Steelhead appliance.

References:

Steelhead Appliance Deployment Guide, Including the Steelhead Mobile Controller, December 2013 , page 26

<https://support.riverbed.com/bin/support/download?did=a53lcljdv9s5oc0agjp851iol>

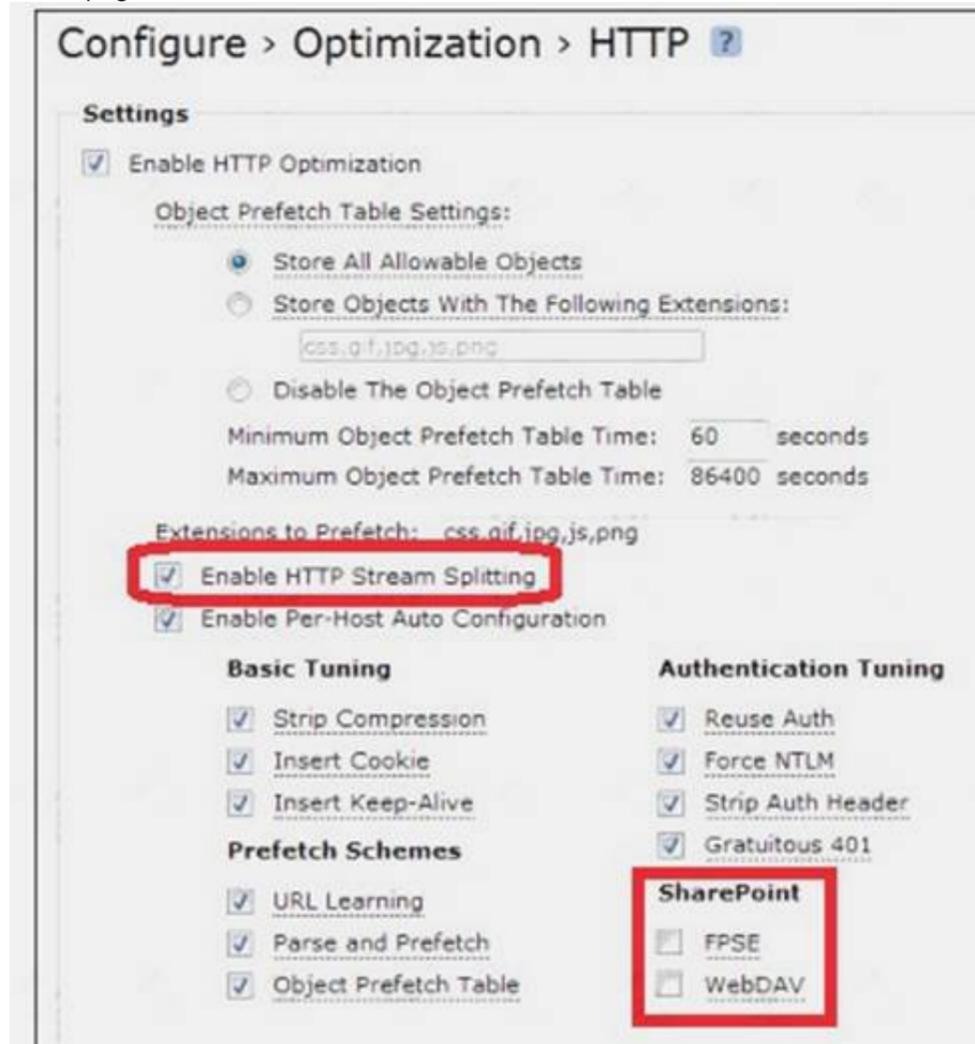
#### NEW QUESTION 96

The SteelHead's HTTP optimization blade supports a number of other configurable features as well. Examples include: (choose two)

- A. Video stream splitting
- B. Proxy File Service
- C. Citrix optimization
- D. SharePoint (WebDAV and FPSE)

**Answer:** AD

**Explanation:** To configure an HTTP optimization scheme for a particular hostname or server subnet Choose Configure > Optimization > HTTP to display the HTTP page



Enabling the Enable HTTP Stream Splitting feature on the client-side Steelhead appliance to split Silverlight smooth streaming, Adobe Flash HTTP dynamic streams, and Apple HTTP Live Streaming (HLS). This feature includes support for Microsoft Silverlight video and Silverlight extensions support on Information Internet Server (IIS) version 7.5 installed on Windows Server 2008 R2.

References:

Steelhead Appliance Management Console User's Guide, Version 8.5.1, November 2013, pages 148, 150  
[https://support.riverbed.com/download.htm?product\\_name=steelhead&did=b0k7v640ooladbjgbjpt57rcb9](https://support.riverbed.com/download.htm?product_name=steelhead&did=b0k7v640ooladbjgbjpt57rcb9)

**NEW QUESTION 98**

The SteelHead can optimize which transport protocols? (Choose two.)

- A. UDP
- B. GRE
- C. IPSec
- D. TCP

**Answer:** AD

**Explanation:** With the Riverbed Data Streamlining technology, which applies to all TCP Traffic, including SSL, and to all WAN Traffic(TCP and UDP), redundant bytes are eliminated from transfers. WAN bandwidth utilization is reduced by 60-95 percent.

References:

<http://www.wansolutionworks.com/RiOS.asp>

**NEW QUESTION 102**

Which endpoint operations can you perform from the SteelCentral Controller for SteelHead Mobile web interface? (Choose four.)

- A. Reset Client-Server Connection
- B. Request System Dump
- C. Request TCP Dump
- D. Reset Client-Controller Connection
- E. Request Memory Dump

**Answer:** ABCE

**Explanation:** Reset Client-SMC Connection: Select the check box next to one or more endpoint user names, and click Reset ClientSMC Connection to reset the connection between the Mobile Controller and the endpoint client.

Request System Dump: Select the check box next to one or more endpoint user names and click Request System Dump to upload the files.

Request TCP Dump: Select the check box next to one or more endpoint user names and click Request TCP Dump to upload the files.

Request Memory Dump: Uploads the memory dump files. References:

Steelhead Mobile Controller User's Guide, Version 4.0.2, May 2013, Page 150 <https://support.riverbed.com/download.htm?did=874>

**NEW QUESTION 106**

A user uploads a Word document to a Sharepoint server via HTTP, optimized by two SteelHeads. Another user at the same location as the first downloads the same Word document via CIFS.  
 What speed should the second user expect?

- A. Fast as the data patterns are recognized by SDR regardless of direction or which unencrypted application protocol is used
- B. Slow as the data is being transported via a different protocol and the SteelHead needs to learn the new patterns
- C. Fast as the SteelHead now has a local copy of the file in the web proxy cache
- D. Slow as the data is travelling in a different direction and the SteelHead needs to learn the new patterns

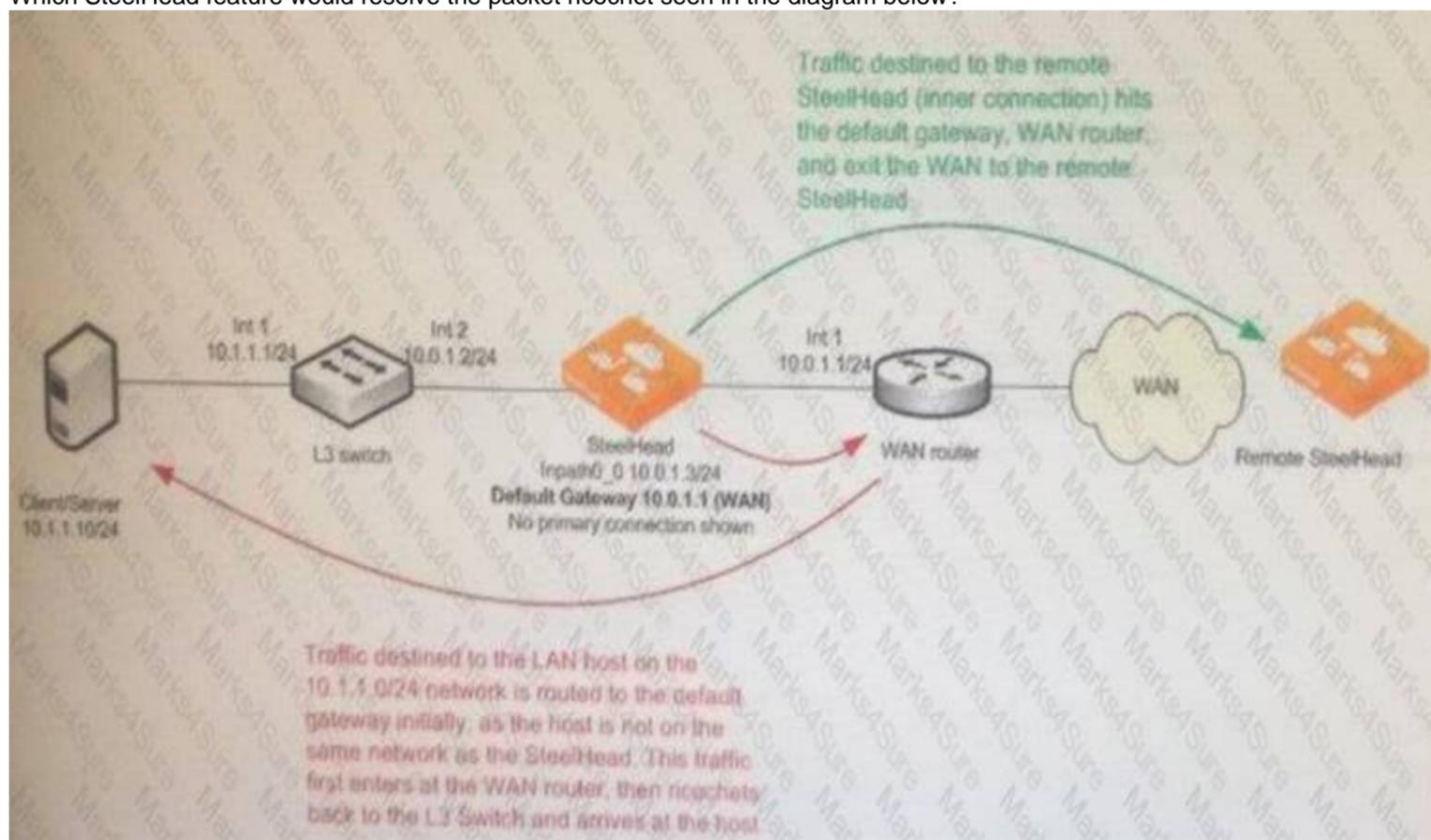
**Answer: C**

**Explanation:** RiOS has provided CIFS optimization since version 1.0, with ongoing enhancements in each subsequent version. CIFS optimization focuses on reducing the impact of WAN round-trip latency of common application and system behavior, including the Microsoft Office product suite, general file access, and remote printing.

References: <https://support.riverbed.com/bin/support/static/lrj6rq1evg0nm7pekuq3j2md1/html/vte4p5uj2dkg9k1ukjv82835>

**NEW QUESTION 111**

Which SteelHead feature would resolve the packet ricochet seen in the diagram below?



- A. Simplified Routing
- B. Full Transparency
- C. Path Selection
- D. Connection Forwarding

**Answer: A**

**Explanation:** Simplified routing avoids situations when a packet traverses a SteelHead more than once—this behavior is called packet ricochet. In environments where the SteelHead is installed in a subnet different than the clients and servers, simplified routing prevents packet ricochet for optimized traffic from the SteelHead.

Here there is a Packet Ricochet When the SteelHead Default Gateway Is on the WAN shows an example of packet ricochet when the SteelHead default gateway is configured for the WAN router, the host sits on a different network than the SteelHead, and simplified routing is not enabled.

References: <https://support.riverbed.com/bin/support/static/fbunsuu0632vi3jrpe0evbko9/html/u2pi6l52l4drmhq3uhck9tu7h>

**NEW QUESTION 115**

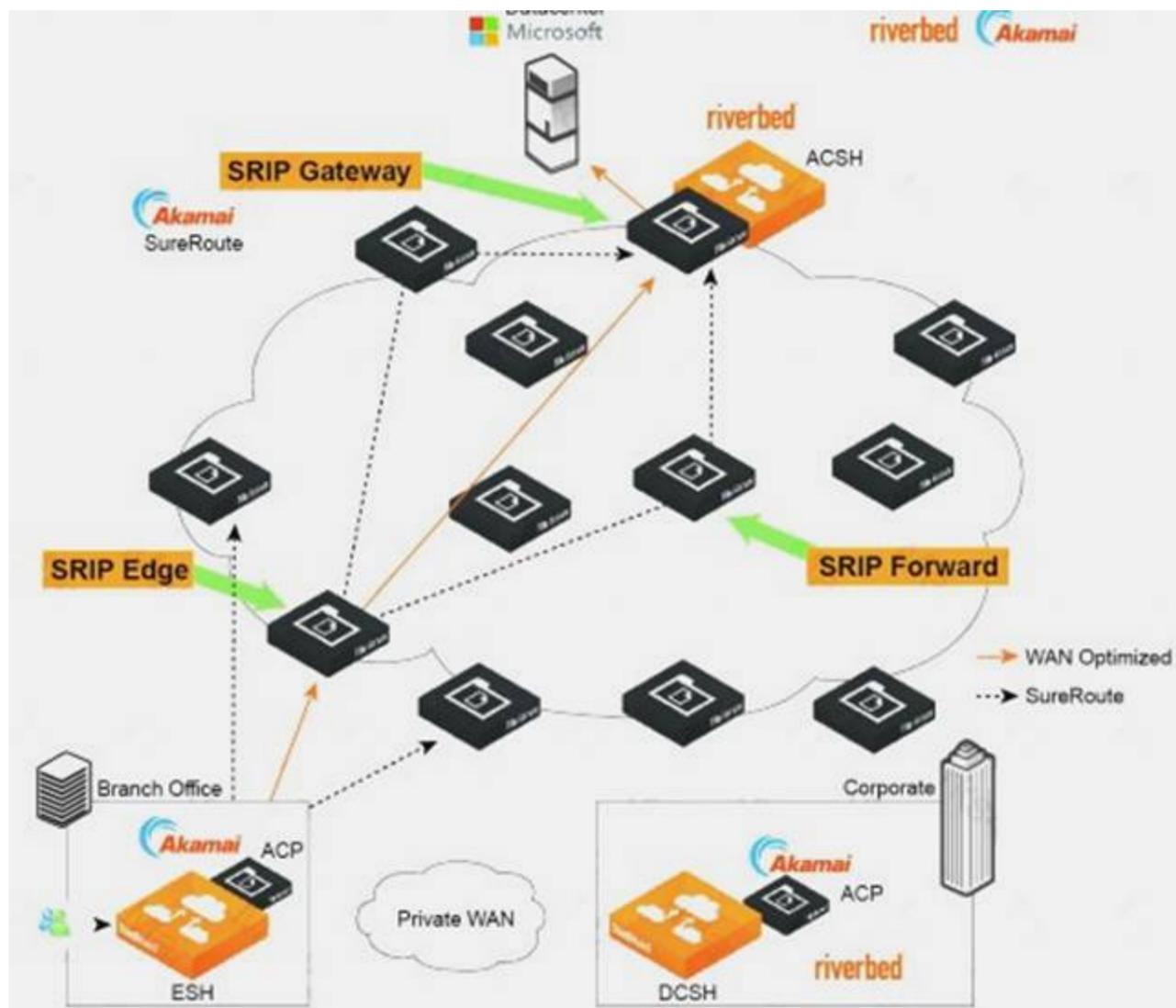
Which of the following correctly describe the two topology deployment modes of SteelHead SaaS? (Select two.)

- A. In direct mode, the cloud optimized traffic is encapsulated at the branch-side SteelHead appliance.
- B. Direct mode cannot be used if the internet traffic exit points is centralized at the customer data center and not available from the branch.
- C. In backhaul mode the cloud-optimized traffic is encapsulated at the data center but the SSL optimization starts at the branch.
- D. Backhaul mode allows to optimize traffic to the cloud from the data center without the need of a branch SteelHead.

**Answer: AC**

**Explanation:** A: In direct mode, the ESH appliance encapsulates the traffic and sends it directly to a server in the Akamai (Branch Office xample) network. Akamai SureRoute optimization technology ensures that the traffic is forwarded through the Akamai network along the fastest path toward its destination at the data center hosting the SaaS application.

Figure: Example of Direct Branch Internet Deployment

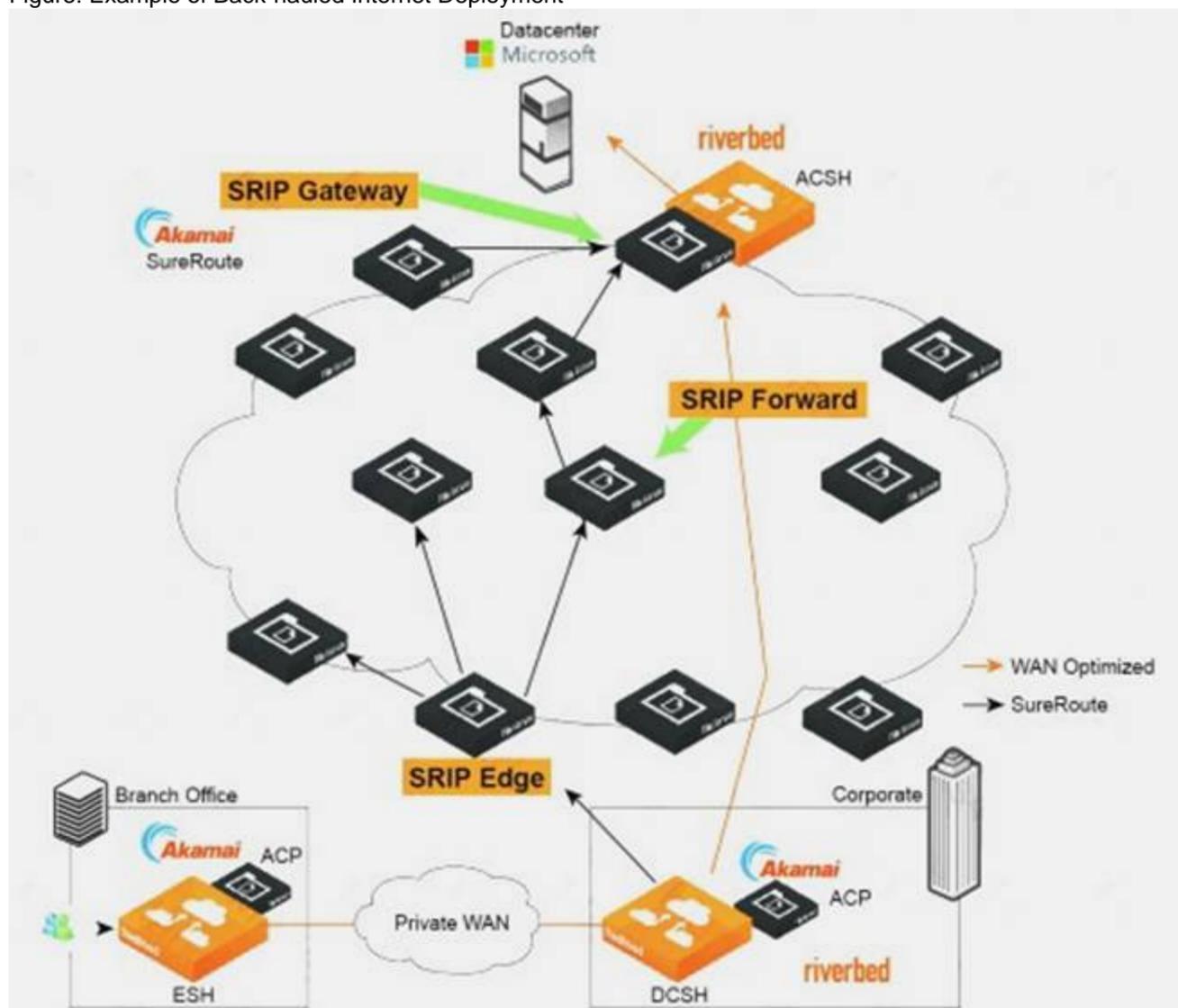


**C: Back-hauled Internet Deployment**

In this topology, the branch does not have its own connection to the Internet. All traffic directed to the Internet is back-hauled over a private WAN or VPN to the organization's data center.

Although the DCSH encapsulates the traffic, it plays no role in the SSL optimization process. SSL optimization still takes place between the ESH appliance and the ACSH. Ensure that you establish the SSL peering trust between them.

Figure: Example of Back-hauled Internet Deployment

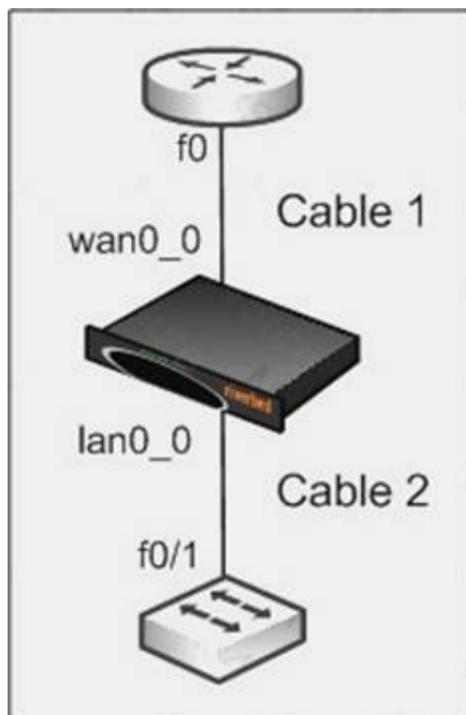


**References:**

SteelHeadSaaS User's Guide, RiOS Version 9.1, July 2015, pages 8-9

**NEW QUESTION 118**

Refer to the exhibit.



Which of the following correctly describes the combination of cable types used in a fail-to-wire scenario for the interconnected devices shown in the exhibit? Assume Auto-MDIX is not enabled on any device.

- A. Cable 1: Crossover, Cable 2: Crossover
- B. Cable 1: Straight-through, Cable 2: Straight-through
- C. Cable 1: Crossover, Cable 2: Straight-through
- D. Cable 1: Straight-through, Cable 2: Crossover

**Answer: C**

**NEW QUESTION 123**

What is the smallest and largest datastore size one can allocate for a Steelhead Mobile client?

- A. 256 MB and 20 GB on disk
- B. 1 GB and 100 TB on disk
- C. 256 MB and 1 TB in memory
- D. 64 KB and 512 KB in memory
- E. 10% and 50% of the available disk space

**Answer: A**

**NEW QUESTION 125**

To run RSP on a Steelhead, you need to have an RSP license and a minimum of how much memory added to the unit?

- A. 1 GB
- B. 2 GB
- C. 3 GB
- D. 4 GB

**Answer: B**

**NEW QUESTION 126**

How many TCP connections can an Interceptor appliance set up per second?

- A. 1000
- B. 2000
- C. 3000
- D. 4000
- E. 5000 or over

**Answer: E**

**NEW QUESTION 130**

If an administrator wanted to compare the performance of Microsoft file sharing across the WAN for two clients with and without Riverbed optimization, what strategy could you use to enable this testing?

- A. In-path rule on client-side Steelhead appliance to pass through port 139 and 445 for the source IP of one of the test clients
- B. Disable optimization on the Steelhead appliance
- C. In-path rule on server-side Steelhead appliance to pass through port 139 and 445 for the source IP one of the test clients
- D. A and C

**Answer: A**

**NEW QUESTION 133**

Which of the following expansion cards are available for the Steelhead appliance xx50 series? (Select 2)

- A. Four-Port Copper Gigabit-Ethernet PCI-E
- B. Four-Port SX Fiber Gig-E PCI-X
- C. Five-Port Copper Gigabit-Ethernet PCI-E
- D. Two-Port SX Fiber Gigabit-Ethernet PCI-E
- E. Three-Port SX Fiber Gig-E PCI-X

**Answer:** AD

**Explanation:** Topic 3, Exam Pool C

#### NEW QUESTION 134

Which of the following are configurable attributes of an Interceptor appliance? (Select 3)

- A. Synchronizing datastore
- B. Sharing connection state with a parallel Interceptor appliance
- C. Redirect to a Steelhead appliance cluster
- D. Failover to another Interceptor appliance

**Answer:** BCD

#### NEW QUESTION 136

What benefit does the Interceptor appliance provide? (Select 3)

- A. Load balances connections across Steelhead appliances
- B. Provides redundancy in case of Steelhead appliance failure
- C. Maintains stateful connection table if a Steelhead appliance fails
- D. Allows clustering of multiple Steelhead appliances

**Answer:** ABD

#### NEW QUESTION 137

Overcoming bandwidth limitations is a function of:

- A. Transport Streamlining
- B. Application Streamlining
- C. Data Streamlining
- D. Storage Streamlining

**Answer:** C

#### NEW QUESTION 142

What default DNS entry is required for CMC touchless auto-configuration?

- A. riverbedcmc
- B. cmcsteelhead
- C. cmcriverbed
- D. steelheadcmc

**Answer:** A

#### NEW QUESTION 143

Which of the following interfaces can be configured using the configuration wizard?

- A. Primary only
- B. Primary and inpath0\_0
- C. Inpath0\_0 only
- D. Primary and auxiliary

**Answer:** B

#### NEW QUESTION 148

What are basic components of the Interceptor appliance? (Select 3)

- A. Load Balancing
- B. Redirection
- C. Peer Affinity
- D. Optimization
- E. Store SDR data

**Answer:** ABC

#### NEW QUESTION 152

The interface used by the Steelhead appliance for system management and datastore synchronization is:

- A. WAN0\_0

- B. LAN0\_0
- C. Inpath0\_0
- D. Primary

**Answer:** D

#### NEW QUESTION 154

Central Management Console (CMC) provides which benefits? (Select 2)

- A. Centralized reporting of Interceptor appliances
- B. Centralized reporting of Steelhead Mobile Controller appliances
- C. Centralized management of Steelhead appliances
- D. Centralized configuration of Steelhead appliances
- E. Centralized configuration of Cascade Profiler appliances

**Answer:** CD

#### NEW QUESTION 156

What are some key reasons for purchasing an Interceptor appliance? (Select 3)

- A. Redirect traffic to a pool of Steelhead appliances
- B. Failover for Steelhead appliances
- C. No single point of failure in a redundant Steelhead appliance deployment
- D. Centralize reporting and management
- E. Increase throughput of connections

**Answer:** ABC

#### NEW QUESTION 157

Which of the following is NOT a valid in-path rule on the Interceptor appliance?

- A. Redirect
- B. Pass-through
- C. Discard
- D. Deny
- E. Fair-peering

**Answer:** E

#### NEW QUESTION 159

An employee who has just installed Steelhead Mobile onto her workstation notices that she never gets any reduction. It always says 0%. The status of the Mobile client appears to be: Optimization State: Healthy  
Controller Status: Connected: Branch  
The reason she is seeing 0% reduction statistics is:

- A. Location Awareness is in effect
- B. The Steelhead appliance in the branch office has currently failed
- C. There are no more Steelhead Mobile licenses available
- D. The Steelhead Mobile Controller is not available as it has been relocated to a branch office
- E. Steelhead Mobile does not work on workstations, only laptops

**Answer:** A

#### NEW QUESTION 164

Your company now considers WAN optimization crucial to the function of the business. Which of the following Riverbed Steelhead appliance features will provide hardware redundancy in case of failure? (Select 3)

- A. Multi-core processors
- B. Disk RAID
- C. Multiple GB memory DIMMs
- D. Hot-swappable disks
- E. Multiple WAN/LAN network cards

**Answer:** BDE

#### NEW QUESTION 166

Which of the following is not a policy type available on the CMC appliance?

- A. Optimization policy
- B. SDR policy
- C. Security Policy
- D. Networking policy

**Answer:** B

#### NEW QUESTION 168

When implementing WCCP, a Steelhead appliance is connected using which Steelhead appliance interface for optimization?

- A. lan0\_0
- B. wan0\_0
- C. Primary
- D. AUX
- E. Remote

**Answer: B**

#### NEW QUESTION 171

Which of the following best describes Link State Propagation (LSP)?

- A. LSP is not a Steelhead appliance feature
- B. LSP monitors the LAN/WAN pair and reflects the up/down status
- C. LSP is an enhancement to auto negotiation
- D. LSP is an enhancement to Spanning Tree

**Answer: B**

#### NEW QUESTION 176

When implementing datastore synchronization, a master and backup Steelhead appliance:

1. Must be within 10 ms of latency between the synchronizing Steelhead appliances
2. Must have the same datastore size
3. Must be running the same major version RiOS software
4. Must have the same hostname

- A. 1, 2, and 3
- B. 2 and 3
- C. 2, 3, and 4
- D. 3 and 4
- E. 1, 2, 3, and 4

**Answer: A**

#### NEW QUESTION 180

In what file system can the Steelhead Mobile client software be installed?

- A. FAT
- B. NTFS
- C. FAT32
- D. UFS
- E. EXT3

**Answer: B**

#### NEW QUESTION 185

On the Interceptor appliance what is the size of the datastore?

- A. 0 MB
- B. 600 MB
- C. 1.2 TB
- D. 3.6 TB
- E. 4.8 TB

**Answer: A**

#### NEW QUESTION 187

What effect will enable SDR-M (Scalable Data Referencing – Memory) have on a Steelhead appliance in production?

- A. An increase in overall LAN throughput
- B. SDR would occur in RAM until flushed to disk
- C. An increase in overall WAN throughput
- D. SDR would occur on disk and backed up to RAM for future lookups
- E. SDR must occur over the primary interface directly to RAM

**Answer: A**

#### NEW QUESTION 192

Steelhead Mobile licensing is based on what model?

- A. Concurrent usage
- B. Per seat
- C. Hybrid per seat/concurrent usage
- D. Steelhead Mobile does not use a licensing model as long as you do not exceed the capacity of the SMC

**Answer: A**

**NEW QUESTION 196**

Steelhead Mobile enables you to: (Select 3)

- A. Optimize UDP traffic
- B. Optimize ICMP traffic
- C. Optimize TCP traffic
- D. Optimize satellite TCP traffic
- E. Optimize TCP traffic over General Packet Radio Service (GPRS)

**Answer:** CDE

**NEW QUESTION 197**

A customer has purchased 30 Steelhead appliances. Which product(s) can be used to ease the deployment of these Steelhead appliances?

- A. Riverbed Steelhead Management Console
- B. Microsoft SCCM
- C. Riverbed Cascade
- D. Riverbed Central Management Console
- E. All of the above

**Answer:** D

**NEW QUESTION 198**

How many slots are available in RSP?

- A. 1
- B. 2
- C. 5
- D. 10
- E. 15

**Answer:** C

**NEW QUESTION 203**

A customer is marking QoS between the Steelhead appliances based on the application (port number) and IP addresses being used. What is the recommended WAN visibility mode?

- A. Tunnel mode
- B. Port Transparency
- C. Full Transparency
- D. SSL mode

**Answer:** C

**NEW QUESTION 207**

Which feature is highly recommended when deploying Steelhead Mobile?

- A. Automatic peering (using enhanced auto-discovery) enabled on Steelhead appliances
- B. Connection forwarding (using port 7850 for neighbor relationships) on Steelhead appliances
- C. Pass-through rules to minimize overlapping opens
- D. Fixed-target rules directed to port 7850 of all branch office Steelhead appliances

**Answer:** A

**NEW QUESTION 208**

The Steelhead Mobile client software builds an optimized connection to what end device?

- A. The nearest SMC
- B. A Steelhead appliance
- C. A Central Management Console (CMC)
- D. The VPN concentrator
- E. Another Steelhead Mobile client

**Answer:** B

**NEW QUESTION 213**

Which xx50 Steelhead appliance models provide both inpath0\_0 and inpath0\_1 interfaces without adding additional network cards? (Select 3)

- A. Steelhead 550
- B. Steelhead 6050
- C. Steelhead 1050
- D. Steelhead 250
- E. Steelhead 2050

**Answer:** BCE

#### NEW QUESTION 216

What are two methods that can be configured to provide location awareness for a Steelhead Mobile client? (Select 2)

- A. Adapter based configuration
- B. Fixed-target rule
- C. In-path rule
- D. Latency detection

**Answer:** AD

#### NEW QUESTION 218

The Central Management Console (CMC) provides the following:

- A. Rapid deployment of distributed Steelhead appliances
- B. Simplifies ongoing configuration and management of distributed Steelhead appliances
- C. Health monitoring of distributed Steelhead appliances
- D. Performance reports of distributed Steelhead appliances
- E. All of the above

**Answer:** E

#### NEW QUESTION 219

To run RSP which Steelhead appliance ports must to be connected to your network? (Select 2)

- A. Primary
- B. LAN
- C. Inpath0\_0
- D. Auxiliary
- E. WAN

**Answer:** AD

#### NEW QUESTION 221

What licenses are installed with a Steelhead appliance when purchased? (Select 3)

- A. Scalable Data Referencing (SDR)
- B. Windows File Servers
- C. SSL
- D. Sybase database applications
- E. Microsoft Exchange

**Answer:** ABE

#### NEW QUESTION 224

Login to the CMC appliance can be authenticated against what type servers? (Select 3)

- A. RADIUS
- B. Local
- C. XAUTH
- D. TACACS+
- E. Kerberos

**Answer:** ABD

#### NEW QUESTION 229

Which Datastore Segment Replacement Policy can be selected to overwrite data that has resided in the segstore for the longest duration of time?

- A. LRU (Least Recently Used)
- B. FIFO (First In First Out)
- C. LIFO (Last In First Out)
- D. MRU (Most Recently Used)
- E. ADH (Arbitrary Data Hits)

**Answer:** B

#### NEW QUESTION 232

When deploying a Steelhead appliance in a physical in-path configuration, the cable between the Steelhead and the router should be:

- A. Straight-through
- B. Crossover
- C. Token Ring
- D. None of the above

**Answer:** B

#### NEW QUESTION 235

In a Steelhead Mobile deployment, what are Endpoint policies? (Select 2)

- A. Templates that allow Steelhead Mobile clients to connect to Steelhead appliances
- B. Configuration templates to configure groups of Steelhead Mobile clients that have the same configuration requirements
- C. Configuration templates to configure groups of Steelhead Mobile clients that have the same datastore requirements
- D. Configuration templates to configure computer-specific software settings on a Linux system
- E. Steelhead Mobile client software default access policies used to connect to all Riverbed devices

**Answer:** BC

#### NEW QUESTION 236

What transaction prediction modules are supported on the Steelhead Mobile client? (Select 3)

- A. CIFS
- B. WCCP
- C. MAPI
- D. ATP
- E. Lotus Notes

**Answer:** ACE

#### NEW QUESTION 241

In a network where QoS classification and enforcement is being performed by the customer's carrier-managed WAN routers and QoS traffic classification is based on IP address and/or destination TCP port, what WAN visibility mode should be employed for TCP sessions optimized by the Steelhead appliances to maintain interoperability with the existing QoS strategy?

- A. Full Transparency
- B. Correct Addressing
- C. Port Transparency
- D. Port Mapping

**Answer:** A

#### NEW QUESTION 243

To help secure the server private key on the server-side Steelhead appliance, which of the following features can be used?

- A. TACACS+ authentication
- B. RADIUS authentication
- C. Secure Vault
- D. Datastore encryption

**Answer:** C

#### NEW QUESTION 244

Which of the following parameters can be used to classify traffic into QoS classes? (Select 3)

- A. Destination subnet
- B. Source subnet
- C. VLAN
- D. WCCP Mask or HASH
- E. Service Groups

**Answer:** ABC

#### NEW QUESTION 248

A major difference between MX-TCP and HighSpeed TCP is:

- A. MX-TCP backs off in the case of congestion, HighSpeed TCP does not
- B. HighSpeed TCP backs off in the case of congestion, MX-TCP does not
- C. MX-TCP can use TCP window scaling, HighSpeed TCP cannot
- D. HighSpeed TCP can use TCP options, MX-TCP cannot

**Answer:** B

#### NEW QUESTION 249

Which two parameters are required when configuring a fixed-target rule?

- A. The target IP address and subnet mask of the target Steelhead appliance
- B. The TCP option number for auto-discovery
- C. The target Steelhead appliance and destination port number
- D. The source IP address and source port number of the client traffic

**Answer:** C

**NEW QUESTION 253**

Assume the SSL server is configured for the default SSL port. Which port has to be specified in the in-path rules of the client-side Steelhead appliance?

- A. 443
- B. 445
- C. 7801
- D. 8080

**Answer:** A

**NEW QUESTION 255**

When upgrading a Steelhead appliance from the Management Console, the new image is always installed on the:

- A. Booted partition
- B. Backup partition
- C. Both the boot and backup partitions
- D. The image is only installed into a partition after a reboot (from a temporary location)
- E. Upgrades can only be done from the CLI

**Answer:** B

**NEW QUESTION 260**

What are the default port labels on the Steelhead appliance? (Select 3)

- A. Secure
- B. Interactive
- C. RBT-Proto
- D. Fixed-Target
- E. Pass-Through

**Answer:** ABC

**NEW QUESTION 262**

What are the benefits of Application Streamlining?

- A. Applications run up to 100 times faster
- B. Reduces application chattiness by 65-98%
- C. Accelerates the most important applications, such as CIFS, MAPI, NFS, HTTP/S, Lotus Notes, and MS-SQL
- D. All of the above
- E. None of the above

**Answer:** D

**NEW QUESTION 264**

A Steelhead appliance can synchronize its datastore with a maximum of how many other Steelhead appliances?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** A

**NEW QUESTION 268**

Steelhead appliances increase. (Select 2)

- A. Application performance
- B. Data transfer speed over the WAN
- C. Data transfer speed over the LAN
- D. Quality of service
- E. WORM stability
- F. Prototyping

**Answer:** AB

**NEW QUESTION 271**

How many separate TCP sessions exist for each optimized connection?

- A. 1
- B. 2
- C. 3
- D. 4
- E. It depends on the WAN visibility mode

**Answer:** C

#### NEW QUESTION 275

Assuming the Steelhead appliance has a 250 GB datastore capacity, by enabling RSP on a supported Steelhead appliance which of the following would be true:

- A. The datastore capacity will shrink due to the amount of space used by RSP
- B. The datastore capacity will grow due to the amount of space added by RSP
- C. The datastore capacity does not change
- D. The datastore capacity will have to be reformatted

**Answer: C**

#### NEW QUESTION 280

With branch warming enabled, new data transferred between the Steelhead Mobile client and a server will be populated into: (Select 3)

- A. The Steelhead Mobile client datastore
- B. The local office Steelhead appliance datastore
- C. The server-side Steelhead appliance datastore
- D. Datastore will not be populated
- E. The Steelhead Mobile Controller datastore

**Answer: ABC**

#### NEW QUESTION 282

A Steelhead appliance can continue to optimize traffic in which of the following status states? (Select 2)

- A. Healthy
- B. Normal
- C. Critical
- D. Degraded
- E. Failed

**Answer: AD**

#### NEW QUESTION 286

Which forms of administrative authentication are supported by the Steelhead appliances?:(Select 3)

- A. NTLM
- B. TACACS+
- C. RADIUS
- D. Kerberos
- E. Local username and password

**Answer: BCE**

#### NEW QUESTION 287

A Steelhead appliance can be configured to automatically send an email to a preconfigured email address in the event of a failure. Where is this done? (Select 3)

- A. GUI
- B. CLI
- C. RADIUS/TACACS+
- D. Can be done via the Central Management Console
- E. DNS server

**Answer: ABD**

#### NEW QUESTION 288

The benefits provided by the CIFS application-level optimizations are:

- A. Remove protocol chattiness from the remote LAN
- B. Remove protocol chattiness from the data center LAN
- C. Increase protocol chattiness from the WAN
- D. Remove protocol chattiness from the WAN
- E. Encrypt important data

**Answer: D**

#### NEW QUESTION 293

In an in-path deployment, when a Steelhead appliance fails to wire, the Steelhead appliance acts as a:

- A. Straight-through cable
- B. Crossover cable
- C. Router
- D. Firewall
- E. None of the above

**Answer: B**

**NEW QUESTION 298**

Which of the following is a benefit of the Riverbed Services Platform (RSP) on the Steelhead appliance? (Select 2)

- A. Optimizes VoIP flowing through proxy servers
- B. Removes the need for specific servers in the branch offices
- C. Allows for continued operations of specific functionality in the event of a WAN failure
- D. Provides parallel forwarding domains for asymmetrical routing

**Answer:** BC

**NEW QUESTION 300**

Which of the following local accounts are available by default on a Steelhead appliance? (Select 2)

- A. admin
- B. riverbed
- C. monitor
- D. rvbd
- E. root

**Answer:** AC

**NEW QUESTION 305**

Some applications are designed to open many TCP connections to accomplish required data transfers. Many of these connections are short-lived, yet each requires significant overhead to initiate communications. What RiOS feature was designed to reduce the overhead of these short-lived TCP connections?

- A. HSTCP
- B. MX-TCP
- C. Virtual Window Expansion
- D. Connection Pooling
- E. Transport Streamlining

**Answer:** D

**NEW QUESTION 307**

What happens to "new" data that a Steelhead appliance has not seen before? (Select 2)

- A. Drop the new data
- B. Create a tunnel to optimize the data
- C. Scalable Data Referencing creates and sends new reference pointers to the peer Steelhead appliance
- D. Compress the data using Lempel-Ziv and sends it to the peer Steelhead appliance
- E. Sends only the references for the data to the counterpart Steelhead appliance

**Answer:** CD

**NEW QUESTION 311**

What is the datastore size?

- A. The amount of disk space available for Scalable Data Referencing (SDR) use
- B. The amount of disk space available for optimization use
- C. The amount of memory available for optimization use
- D. The amount of memory available for SDR use
- E. The amount of CPU available for optimization use

**Answer:** A

**NEW QUESTION 312**

How many in-path rules will a WAN-initiated single connection execute on a Steelhead appliance?

- A. 1
- B. 2
- C. 3

**Answer:** A

**NEW QUESTION 314**

What are valid datastore encryption types? (Select 4)

- A. No encryption
- B. AES\_128
- C. AES\_64
- D. AES\_256
- E. AES\_192

**Answer:** ABDE

**NEW QUESTION 319**

Name the areas where the Steelhead appliance will be beneficial. (Select 3)

- A. Accelerate chatty applications that use well known protocols such as CIFS and MAPI
- B. Save bandwidth on LAN links
- C. With a single TCP session, effectively use bandwidth on high-speed WAN links
- D. Reduce UDP traffic on the WAN by engaging Riverbed Professional Services
- E. Remove the traffic load from MAPI servers

**Answer:** ACD

**NEW QUESTION 321**

Which of the following factors are important to consider when sizing a Steelhead appliance? (Select 3)

- A. Number of simultaneous optimized connections
- B. The maximum optimized WAN bandwidth
- C. The size of datastore
- D. The number of applications used by the enterprise

**Answer:** ABC

**NEW QUESTION 323**

What combinations of WAN visibility modes can simultaneously be configured on Steelhead appliances?

- A. It can never be done
- B. Only Port Transparent
- C. Only Correct Addressing
- D. Only Full Addressing
- E. Full Transparency, Port Transparency and Correct Addressing can be configured simultaneously

**Answer:** E

**NEW QUESTION 324**

When MAPI prepopulation is enabled, what is default TCP keep-alive time used to repopulate the Steelhead appliance with emails and attachments?

- A. 24 hours
- B. 48 hours
- C. 72 hours
- D. 96 hours

**Answer:** D

**NEW QUESTION 328**

Application Streamlining supports which of the following protocols in the Steelhead appliance?

- A. HTTP, FTP, MAPI, NFS
- B. MAPI, CIFS, NFS v4
- C. CIFS, RDP, MAPI, HTTP, SSL, Oracle, MAC-CIFS, ICA, UDP
- D. HTTP, MAPI, NFS v3, CIFS, Lotus Notes, MS-SQL

**Answer:** D

**NEW QUESTION 332**

What does the Application Streamlining module in RiOS do?

- A. Eliminates redundant bytes from transfers
- B. Prioritizes application traffic
- C. Eliminates transport protocol inefficiencies
- D. Reduces WAN round trips at the application layer
- E. All of the above
- F. None of the above

**Answer:** D

**NEW QUESTION 334**

How many in-path rules will a LAN-initiated single connection execute on a Steelhead appliance?

- A. 1
- B. 2
- C. 3

**Answer:** B

**NEW QUESTION 339**

What does the Data Streamlining module in RiOS do?

- A. Eliminates redundant bytes from transfers
- B. Prioritizes application traffic
- C. Reduces transport protocol inefficiencies
- D. All of the above
- E. None of the above

**Answer:** A

**NEW QUESTION 344**

When deploying a Steelhead appliance server-side out-of-path in the data center, which configuration is necessary on the client-side Steelhead appliance in order for the design to function correctly?

- A. An auto-discover rule with the IP address of the server-side Steelhead appliance
- B. A fixed-target rule with the Primary IP address of the server-side Steelhead appliance
- C. A fixed-target rule with the IP address of the destination server
- D. No configuration is required

**Answer:** B

**NEW QUESTION 349**

When performing a logical in-path deployment, which interface needs to be physically cabled for optimization to occur?

- A. LAN
- B. AUX
- C. WAN
- D. Primary

**Answer:** C

**NEW QUESTION 352**

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