QUESTIONS & ANSWERS

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Question #142 Section 2

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
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/lrj6rq1evg0fnm7pekuq3j2md1/html/vte4p5uj2dkg9k1ukjv82835ci/sh_9.2_dg_protocols_html/index.html#page/sh_9.2_dg_protocols/cifs.html#ww199551

Question #143 Section 2

The SteelHead Admission Control feature activates when: (choose two)

- A. The data store has reached full capacity
- B. Throughput exceeds the licensed limit of the appliance
- C. Total connections exceeds the licensed limit of the appliance
- D. Optimization service memory exceeds the limit of the appliance
- E. Optimized connections exceed the licensed limit of the appliance

Answer: BE
Note: Admission Control is a validation process in communication systems where a check is performed before a connection is established to see if current resources are sufficient for the proposed connection.
References:
http://h20564.www2.hpe.com/hpsc/doc/public/display?docId=mmr_kc-0125647

Question #144 Section 2

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
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 Users Guide, Version 4.0.2, May 2013, Page 150 https://support.riverbed.com/download.htm?did=874

Question #145 Section 2

Which of the possible Simplified Routing modes should be used when installing the SteelHead on an 802.1Q trunk? (Choose three.)

- A. All
- B. None

- C. Destination and Source
- D. Destination Only

Answer: ACD
In All mode the SteelHead collects mappings for destination and source IP, destination and source MAC, VLAN tag, and Steelhead appliance inner connection traffic and auto-discovery options. This option has the advantage of learning simplified entries faster than the destination only. option Riverbed recommends that you use <all> in topologies when you deploy the Steelhead appliance a 802.1q trunk.
In Destination and source mode the SteelHead collects mappings from destination and source IP, destination and source MAC, and VLAN tag (when deployed on 802.1q trunk).
In Destination only mode the SteelHead collects mappings from destination IP, destination MAC, and VLAN tag (when deployed on 802.1q trunk).
References:SteelheadAppliance Deployment Guide, Including the Steelhead Mobile Controller, December 2013, page 194

Question #146 Section 2

You have recently upgraded from a CX 555 to a CX 1555 for additional capacity. How would you migrate the data store from the old to the new model?

- A. Configure data store synchronization between the two appliances.
- B. Move the disks into the new appliance and power on.
- C. Use the SteelCentral Controller for SteelHead External Backup feature to backup the store to an external server and then restore it to the new appliance.
- D. It is not possible to synchronize two differently sized data stores.

Answer: C
External SCC Backups and High Availability
The SCC stores SteelHead backups. The SCC can back up its own configuration (which includes the configurations of the SteelHeads) to an external file server (NFS, SSH, or CIFS).
Incorrect:
not A: Datastore sync is only supported between steelheads of the same model and RIOS versions.
NotB: In some cases, model upgrades require the installation of additional disk drives and memory modules. Upgrades that require the installation of additional hardware do not preserve the data store.
References: SteelCentral Controller for SteelHead Deployment Guide, December 2014, page 31 https://support.riverbed.com/download.htm?product_name=cmc&did=5k0kbbt7ggkok5d94jgl026go6&public=true

Question #147 Section 2

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
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 visibilitymode, SteelHeads maintain the VLAN ID (along with IP address and TCP ports) when transmitting packets on the WAN side of optimized connections.
Incorrect:
Not A: Simplified routing is required.
Not B: You do not have to configure the VLAN ID on the in-path interface to match any of those seen for optimized connections.
Not C: The SteelHead can optimize traffic on the VLANs different from the VLAN containing the in-path IP address.
References: SteelHead Deployment Guide Including the SteelCentral Controller for SteelHead Mobile, July 2015, page 215 https://support.riverbed.com/bin/support/download?did=93kli6tqn0ba7e2jgml3kq1u18

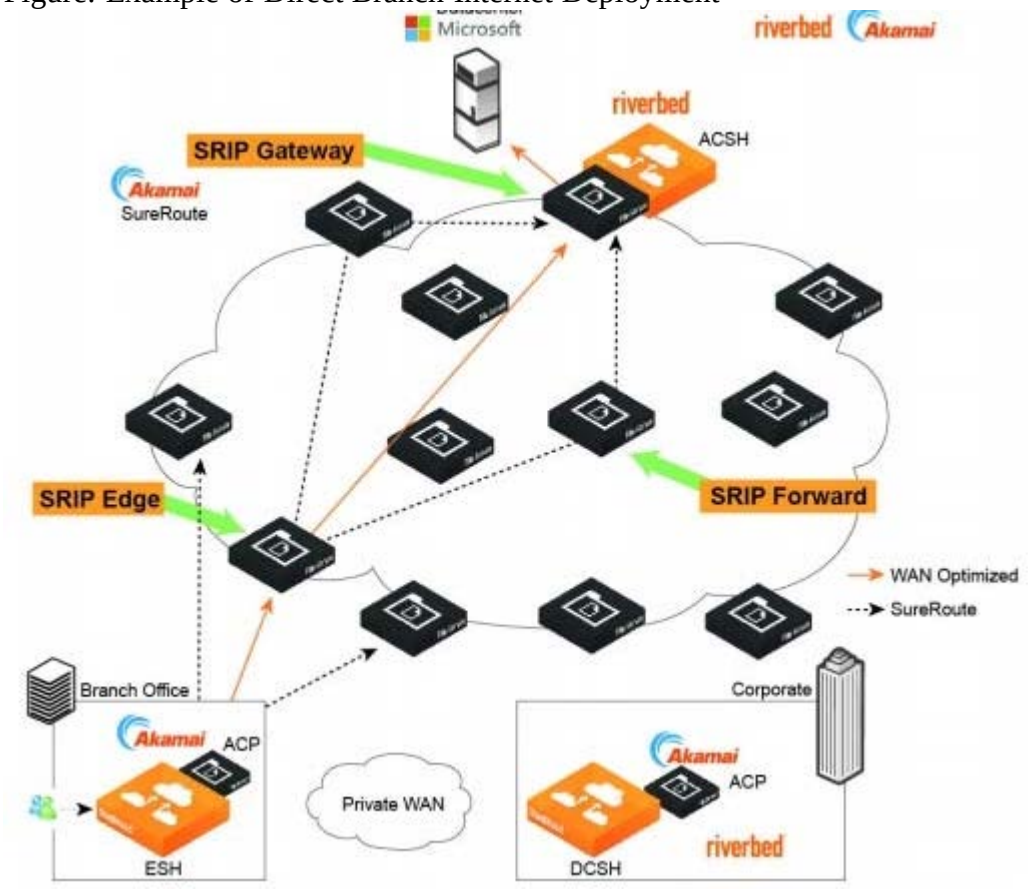
Question #148 Section 2

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

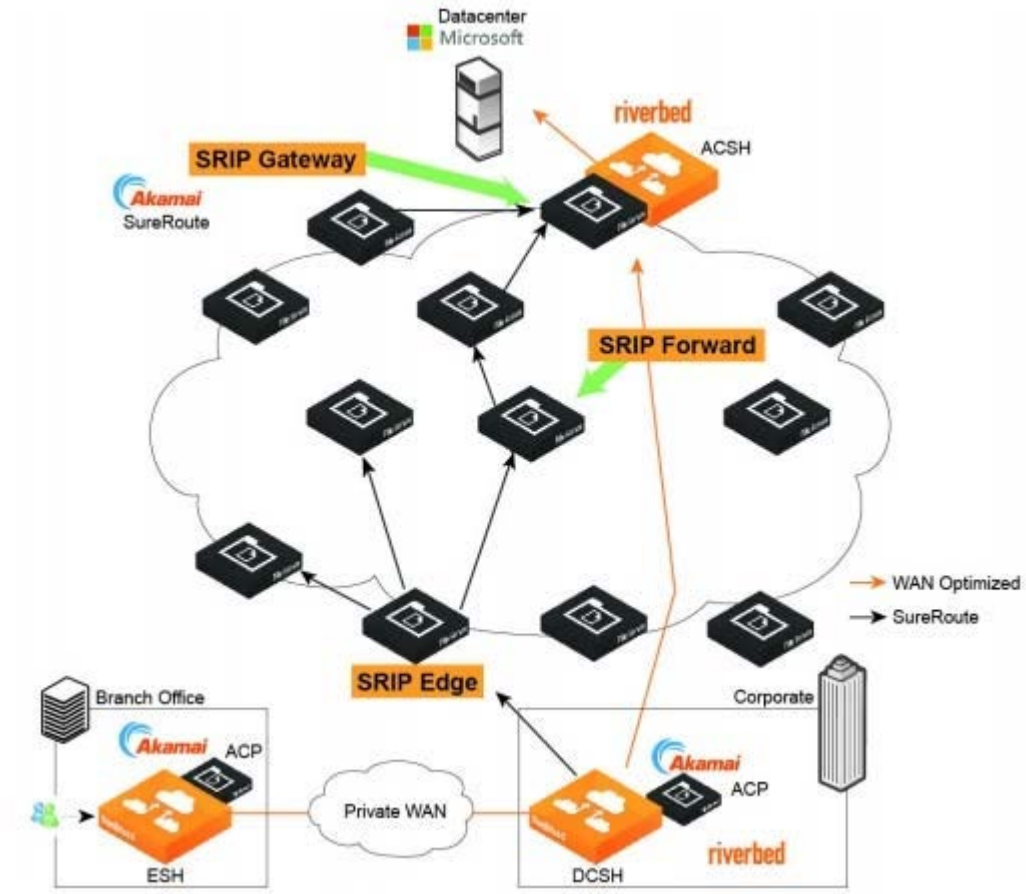
- A. In direct mode, the cloud optimized traffic is encapsulated at the branch-side SteelHead appliance.

- 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
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 organizations 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 Users Guide, RiOS Version 9.1, July 2015, pages 8-9

Question #149 Section 2

What is the default data store size for a SteelHead Mobile Client?

- A. 1 GB
- B. 5 GB
- C. 10 GB
- D. 20 GB

Answer: C
The Data Store Size. A minimum size of 256 MB is required for the data store. The default value is 10 GB.
References: Steelhead Mobile Controller Installation Guide, Version 4.0.3, October 2013, page 29 https://support.riverbed.com/bin/support/download?did=9ce96i5pn3ota0bp3gkghu4fml

Question #150 Section 2

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
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=a53locljdv9s5oc0agjp851iol

Question #151 Section 2

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