14.5.3 Practice Questions

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Score: 100% Passing Score: 80%

Question 1: ✔ Correct

Which of the following is a key difference between agent-based orchestration and agentless orchestration? (Choose TWO).

- [ ] Agent-based setup is simpler than agentless setup.
- [ ] Agentless orchestration is more difficult and expensive to deploy.
- [x] Agent-based requires that proprietary software is installed on each device you wish to monitor.
- [x] Agentless orchestration does not require a proprietary software agent to be installed on the managed hosts.

Explanation

When using an agent:

- A proprietary software application is installed on each device that you wish to monitor or control.
- Communicate with the orchestration system is facilitated by the agent.
- Orchestration can be more difficult and expensive to employ.
- The agent can be programmed to monitor systems, evaluate data, and thoroughly process the data on the device.

Agentless orchestration does not require a proprietary software agent on the managed hosts. However, all management tools require some kind of software, or agent, to run on the host device. The main advantage of agentless orchestration is that the setup of each host device is simple.

Agentless orchestration:

- Is done using existing industry-standard management systems that are already built into devices or operating systems, such as SSH, SNMP, and CIM, and the Windows programs WMI and WinRM.
- Can be pushed out across targets that donÃ¢â‚¬â„¢t have a specific software agent installed.
- an be used to install an agent.

Most companies use a mix of agent and agentless orchestration, choosing a method on a case by case to meet each situationÃ¢â‚¬â„¢s needs.

References

14.5.1 Orchestration Processes and Concepts

14.5.2 Orchestration Processes and Concepts Facts

q_orchest_lp5_agent.question.fex

Question 2: ✔ Correct

Which of the following industry-standard management systems can be used by agentless orchestration? (Choose FOUR).

- [ ] FTP
- [x] CIM
- [ ] HTTP
- [ ] TACACS+
- [x] WMI and WinRM
- [ ] SMTP
- [x] SSH
- [ ] OVA and OVF
- [x] SNMP

Explanation

Agentless orchestration:

- Is done using existing industry-standard management systems that are already built into devices or operating systems, such as SSH, SNMP, and CIM, and the Windows programs WMI and WinRM.
- Can be pushed out across targets that don't have a specific software agent installed.
- Can be used to install an agent.

References

14.5.1 Orchestration Processes and Concepts

14.5.2 Orchestration Processes and Concepts Facts

q_orchest_lp5_agentless.question.fex

Question 3: ✔ Correct

Which of the following orchestration attributes are typically configured? (Choose TWO).

- [ ] Switch ID, Port numbers, and LAN segments for switch orchestration.
- [ ] File and directory list for data orchestration.
- [x] Start and stop time.
- [x] User name, title, and employee ID for user orchestration.

Explanation

A typical orchestration could include the name and a description of the orchestration, the start and stop times for the orchestration, and the resources being controlled.

An orchestration that creates a user would include the given name, title, and employee ID. Attributes that identify the specifics for this instance of the orchestration can be passed in from other interfaces and tools.

Switches and data lists are not part of orchestration.

References

14.5.1 Orchestration Processes and Concepts

14.5.2 Orchestration Processes and Concepts Facts

q_orchest_lp5_attributes.question.fex

Question 4: ✔ Correct

Which of the following describes Infrastructure as Code (IaC)?

- The automated racking of servers in a data center.
- ➡ The process of managing and provisioning computer data centers.
- The automated installation of network cabling in a data center.
- Building and maintaining large-scale computer systems.

Explanation

Infrastructure as code, or IaC, is the process of managing and provisioning computer data centers. IaC utilizes a cloud infrastructure to automatically and consistently setup a environment to deploy applications.

References

14.5.1 Orchestration Processes and Concepts

14.5.2 Orchestration Processes and Concepts Facts

q_orchest_lp5_iac.question.fex

Question 5: ✔ Correct

Orchestration is the automated configuration, coordination, and management of computer systems and software. Orchestration takes advantage of several tasks that are usually automated to create a more complex workflow.

Which of the following workflows needs can be satisfied by orchestration? (Choose FOUR).

- [ ] Security camera deployment
- [x] Inventory
- [ ] Router installation
- [ ] Network cable infrastructure
- [x] Server provisioning
- [ ] Code development sprints
- [x] Automated builds and code deployments
- [ ] Phone system infrastructure
- [x] Configuration management

Explanation

Orchestration can be used for workflow needs, such as:

- Server provisioning
- Configuration management
- Inventory
- Automated builds and code deployments

References

14.5.1 Orchestration Processes and Concepts

14.5.2 Orchestration Processes and Concepts Facts

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