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Pure Storage Portworx-Enterprise-Professional Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Security: This section focuses on Security Engineers and Compliance Officers responsible for enforcing security measures in container storage environments. Topics include managing encryption, access control, and compliance policies to protect stored data.

Topic 2	<ul style="list-style-type: none"> • Business Continuity: This domain measures the skills of Disaster Recovery Planners and IT Continuity Managers in implementing backup, recovery, and failover strategies. It ensures candidates understand how to sustain business operations and data availability using Portworx features.
Topic 3	<ul style="list-style-type: none"> • Observability and Troubleshooting: This section assesses the expertise of Support Engineers and System Administrators in monitoring storage deployments and troubleshooting issues. Candidates learn to use observability tools and techniques to maintain system health and resolve performance problems effectively.
Topic 4	<ul style="list-style-type: none"> • Operations and Administration: This section of the exam measures the skills of Storage Administrators and Kubernetes Operators and covers managing cluster operations and administering container storage environments using Portworx. Candidates demonstrate the ability to efficiently manage and operate storage clusters in production environments.
Topic 5	<ul style="list-style-type: none"> • Deploy and Install: This domain targets DevOps Engineers and Infrastructure Specialists and focuses on deploying and installing Portworx storage solutions. It includes configuring and setting up storage clusters to support containerized applications reliably and securely.

Pure Storage Pure Certified Portworx Enterprise Professional (PEP) Exam Sample Questions (Q13-Q18):

NEW QUESTION # 13

An infrastructure admin wants to restrict installing Portworx on two nodes.
What label does the node need to have?

- A. `px/enabled=false`
- B. `px/storage-node=false`
- C. `px/service=stop`

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Portworx uses node labeling as a mechanism to control on which Kubernetes nodes Portworx is installed and allowed to operate. To restrict Portworx installation on specific nodes, those nodes should be labeled with `px/enabled=false`. This label tells the Portworx Operator or installation scripts to exclude these nodes from Portworx deployment, preventing Portworx daemons from running there. This feature is useful for reserving nodes for non-storage workloads or avoiding unsupported hardware. Labels like `px/service=stop` or `px/storage-node=false` are not recognized by Portworx as controls for installation exclusion. The official Portworx deployment and node labeling documentation specify `px/enabled=false` as the standard method for controlling node participation in the storage cluster, offering administrators fine-grained control over cluster topology and resource allocation **【Pure Storage Portworx Deployment Guide source】**.

NEW QUESTION # 14

What configuration steps should a Portworx Administrator perform to ensure that Portworx can use the S3 Object Store using a custom/3rd party (not signed by public CA) certificate?

- A. No additional configuration is necessary.
- B. **Create a Kubernetes secret containing the certificate and reference it in the storagecluster via env variable.**
- C. Create a secret containing the certificate and run `pxctl certificate import` command.

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

When integrating Portworx with an S3 Object Store secured by a custom or third-party certificate that is not signed by a public Certificate Authority (CA), administrators must manually provide the relevant CA certificate to Portworx. This involves creating a Kubernetes secret that contains the custom CA certificate and referencing this secret in the StorageCluster manifest through environment variables. This allows Portworx components to trust the certificate during TLS handshake with the S3 endpoint,

avoiding connection failures due to untrusted certificates. Without this step, Portworx cannot securely communicate with the object store. The Portworx security and installation documentation highlights this practice as essential for secure Object Store integration in private or regulated environments where internal or custom PKIs are used **【Pure Storage Portworx Security Guide source】** .

NEW QUESTION # 15

An administrator deploys Portworx in the "portworx" namespace.

What command should the administrator use to check status of only the Portworx pods?

- A. `kubectl -n portworx get storagecluster`
- B. `kubectl -n portworx get pods -o wide`
- C. `kubectl -n portworx get pods -l name=portworx`

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

To view the status of only Portworx pods within the "portworx" namespace, administrators should use label selectors with `kubectl`. The command `kubectl -n portworx get pods -l name=portworx` filters pods by the label `name=portworx`, showing only pods related to the Portworx deployment. This is more precise than simply listing all pods with `-o wide`, which includes unrelated pods. Checking Portworx pods' status is crucial for monitoring cluster health, identifying pod restarts, or troubleshooting failures. The Portworx installation manifests and documentation specify labels applied to Portworx pods, enabling operators to filter efficiently. Using this command supports focused operational monitoring and streamlined debugging within Kubernetes environments running Portworx **【Pure Storage Portworx Kubernetes Guide source】** .

NEW QUESTION # 16

What is a built-in role in Portworx's RBAC model?

- A. `storage.admin`
- B. `storage.manager`
- C. `system.admin`

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Portworx implements Role-Based Access Control (RBAC) to secure management operations within the cluster. One of the key built-in roles is `system.admin`, which has full administrative privileges across Portworx resources. This role allows users to manage storage nodes, volumes, snapshots, backups, and cluster-wide settings. The `system.admin` role is typically assigned to trusted cluster operators or administrators responsible for cluster maintenance and configuration. Other roles like `storage.manager` or `storage.admin` are not standard built-in roles in Portworx RBAC but may be custom roles defined in some environments. The official Portworx security and RBAC documentation details `system.admin` as the comprehensive administrative role with full cluster management capabilities, critical for secure operations and delegation of responsibilities **【Pure Storage Portworx Security Guide source】** .

NEW QUESTION # 17

What happens if the `spec.csi.enabled` flag is set to false in the Portworx StorageCluster spec?

- A. CSI will be installed, but it will not be used.
- B. **CSI will not be installed for the storage cluster.**
- C. The cluster will fail to deploy if CSI is disabled.

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The `spec.csi.enabled` flag in the Portworx StorageCluster specification dictates whether the Container Storage Interface (CSI) driver is deployed within the Kubernetes environment. Setting this flag to false means that the CSI driver will not be installed or enabled, effectively disabling the CSI functionality. The CSI driver is responsible for dynamic volume provisioning, attachment, and lifecycle management in Kubernetes clusters. Disabling CSI might be necessary in environments relying on legacy volume plugins or specific

operational requirements. When CSI is disabled, Portworx will not support dynamic provisioning or other CSI-dependent features, which could limit functionality for Kubernetes storage operations. Portworx operator documentation explicitly states that disabling CSI omits the CSI driver installation, advising users to carefully consider the impact before setting this flag to false, especially in production environments requiring CSI functionality **【Pure Storage Portworx Operator Docs source】** .

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