SUSE Certified Administrator (SCA) in Longhorn 1.5 - Cloud native Storage

Date:	2024-10-07
modified:	2024-10-07
tags:	SUSE, Certification, Administrator, Longhorn, Storage, Rancher, Kubernetes, Exam
description:	SUSE SCA in Longhorn 1.5 passed
category:	Certification
slug:	suse-certified-administrator-sca-in-longhorn-15-cloud-native-storage
Author:	Dominik Wombacher
lang:	en
transid:	suse-certified-administrator-sca-in-longhorn-15-cloud-native-storage
Status:	published

I passed the new **SUSE Certified Administrator (SCA) in Longhorn 1.5** Exam today! Finally back at 100% SUSE Certified after almost a month since it was released ;) Now I'm waiting for the SUSE Training Team to create and publish a new Tech Exam :)

I used the official SUSE Course Longhorn Deployment and Operations - LHN201v1.5 to prepare and found it sufficient. A couple of questions were a bit tricky from a wording perspective and not well reflected in the Course content. But the majority was of questions was well structured and balanced.

Never heard of Longhorn before? It's SUSEs *Cloud native distributed block storage for Kubernetes*, to learn more visit: https://longhorn.io

PS: Yeah, I know, *Longhorn* was also the codename for an operating system that spectacularly failed many many years ago ;)

Summary: This certification validates fundamental knowledge of Longhorn, including installation, configuration, management, and troubleshooting of Longhorn clusters. It tests the candidate's ability to utilize Longhorn's features such as automated backups, disaster recovery, and volume snapshots to ensure high availability and data protection in Kubernetes environments.

Skills

- Longhorn Features
- Longhorn Architecture
- Installation Requirements
- Installation with Helm
- Installation as a Rancher Application
- Longhorn Web UI Features
- Enabling and Disabling Nodes
- Adding a new Node in Cluster
- Node Maintenance
- Removing a Node from Cluster
- Adding Individual Disk Partitions

- Removing Disk Storage
- Adding LVM Storage
- Creating a Volume
- Using Trim to Reclaim Storage Space
- Resizing a Volume
- Tuning Storage Performance by Data Locality
- Defining Replica Counts and Location
- Replica Balancing for even Distribution of Resources
- Installation of Prometheus and Grafana for Monitoring Longhorn’s Vital Metrics
- Integration of Longhorn Metrics with the Rancher Monitoring System
- Configuration of Longhorn Alert Rules
- Recovering from Failures
- Manually Creating a Snapshot of a Volume
- Restoring a Volume from a Snapshot Manually
- Deleting a Volume Snapshot
- Working with Recurring Volume Snapshots
- Manually Creating a Backup of a Volume
- Restoring a Volume from a Backup
- Working with Recurring Volume Backups
- Working with Disaster Recovery Volumes
- Upgrading Longhorn Manager
- Upgrading Longhorn Engine

Certificate

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