Veeam Certified Architect Package (VMCA)

1. Introduction

2. Overview of Veeam Products

- Veeam Products
- Veeam Availability Suite
- Key Concepts

3. Deployment

- Core Components and Their Interaction
- Optional Components
- Deployment Scenarios
- Prerequisites
- Upgrading Veeam Backup and Replication

4. Initial Configuration

- Adding Servers
- Adding a VMware Backup Proxy
- Adding a Hyper-V Off-host Backup Proxy
- Adding Backup Repositories
- Performing Configuration Backup and Restore
- Managing Network Traffic
- Global Notification Settings
- Getting to Know User Interface

5. Protect

- Creating Backup Jobs
- Creating Restore Points with VeeamZIP and Quick Backup
- Backup Copy

- Replication
- Creating VM/File Copy Jobs

6. Verification

- SureBackup Recovery Verification
SureReplica

7. Entire VM Recovery

- Data Recovery
- Working with Veeam Backup & Replication Utilities
- Insight into Recovery from Replica

8. Objects Recovery

- Item-Level Recovery
- Guest OS File Recovery

9. Advanced Data Protection

- Tape Device Support
- SAN Storage Systems Support
- Support for Deduplicating Storage Systems
- Veeam Cloud Connect
- Veeam Backup Enterprise Manager
- vCloud Director Support

10. Veeam ONE Features and Functionality

- Auto Discovery of Backup and Virtual Infrastructure
- Business Categorization
- Pre-Defined Alerting
- Unattended Monitoring
- Reporting and Dashboards
- Agentless Data Gathering
- Hyper-V Specific Features

- Veeam ONE Deployment
- Veeam ONE Assessment Tool

11. Product Editions

- Product editions comparison
- Full and free functionality modes

12. Troubleshooting

- How to identify the problem
- How to review and analyze the issue
- Search for additional information
- Veeam support

13. Additional Resources

14. Design and Sizing

- DNS and name resolution
- Veeam backup server
- Backup and replication database
- Proxy server
- Transport modes
- Repository server
- WAN accelerator
- Interaction with hypervisors

15. Infrastructure

- Stages of Proof of Concept
- Assessment using Veeam ONE
- Important data to collect (Veeam ONE + infrastructure accounts)

16. Security

- Permissions

17. Design Scenario: Part 1

- Discovery

- Create a design based on the customer environment

18. Optimizations

- Backup and replication database

- Proxy server

- Repository server

- WAN accelerator

- Tape

- Veeam Backup Enterprise Manager

- Indexing

- Antivirus on Veeam servers and guest VM (if VSS is used)

- Protecting Veeam backup and replication configuration

19. Design Scenario: Part 2

- Create a design based on the customer's evolving environment

20. Automation

- Veeam backup server

- VMware vSphere tags

21. Audit and Compliance

- Auditing

- Compliance

- SureBackup and SureReplica

22. Troubleshooting

- Deep dive into reading log files

- Common issues

- Troubleshooting mode (SureBackup/SureReplica)