

# Advanced Infrastructure Design

## Description

Elevate your knowledge of Commvault® software and maximize your organization's investment by learning and applying infrastructure design concepts in your environment. The Advanced Infrastructure Design course focuses on a deeper understanding of CommCell® design, storage configuration, and application protection in a virtual infrastructure.

This course is structured as a design and implementation project where Commvault best practices are applied to prepare the participant to optimally plan for CommServe® placement, MediaAgent scaling, deduplication engine design, snapshot implementation, and Virtual Server Agent configuration from the ground up. Emphasis is placed on VM protection, particularly for protecting virtualized applications including Microsoft Exchange, SQL and SharePoint.

## Who should attend this course?

Experienced administrators and engineers looking to elevate their knowledge in CommCell design strategies focusing on storage design, virtual data protection, and application protection.

## Prerequisites

- Commvault Professional

## Certification

Completion of this course helps you prepare for the **Commvault Certified Engineer Certification**. The **Advanced Infrastructure Design** is included free of charge as a part of the **Advanced Infrastructure Design** instructor and virtual instructor-led course registration.

## Advanced Infrastructure Design Certification V11 2018 Exam

The Commvault® Advanced Infrastructure Design Exam assesses the student's level of comprehension for:

- Configuration and management of storage policies, data retention, and protection options for protecting data
- The deployment and configuration of a Virtual Server Agent (VSA) for both physical and virtual hosts
- VSA instances, data sets and subclient configuration
- Describe how IntelliSnap® Technology is used to protect virtual environments
- Establish backup and recovery performance benchmarks

## Certification Exam Specifics

- Total Questions: 40
- Time Allotment: 90 minutes
- Passing Grade: 75% (30 correct answers)
- Passing the Advanced Infrastructure Design exam with attaining Certified Professional status will certify you as a Commvault Certified Engineer

## Highlights

### Product Release

- Commvault Version 11

### Delivery Methods

- Instructor-led
- Virtual Instructor-led

### Duration

- Three day Instructor and Virtual Instructor-led

### Prerequisites

- Commvault Professional

## Course Modules And eLearning Courses

<b>CommCell® Environment Design</b>	<ul style="list-style-type: none"> <li>• CommCell design</li> <li>• CommServe® design</li> <li>• MediaAgent Scaling</li> <li>• Indexing Scaling</li> </ul>
<b>Storage Design</b>	<ul style="list-style-type: none"> <li>• Storage infrastructure design</li> <li>• GridStor® technology</li> <li>• SAN Data Server</li> <li>• Cloud computing and storage</li> <li>• Deduplication design</li> <li>• Storage Policy design</li> </ul>
<b>Virtualization</b>	<ul style="list-style-type: none"> <li>• Virtualization primer</li> <li>• Virtual Server Agent backup process</li> <li>• Virtual Server Agent roles</li> <li>• Transport modes</li> <li>• Virtual Server Agent configuration</li> </ul>
<b>IntelliSnap® Technology</b>	<ul style="list-style-type: none"> <li>• IntelliSnap technology overview</li> <li>• Hardware snapshot methods</li> <li>• IntelliSnap for VSA</li> <li>• IntelliSnap configuration</li> </ul>
<b>Application Protection</b>	<ul style="list-style-type: none"> <li>• Application protection overview</li> <li>• Agent based protection</li> <li>• VSA application aware backup</li> <li>• IntelliSnap for VSA</li> <li>• Additional application protection methods</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• Performance overview</li> <li>• Meeting backup windows</li> <li>• Meeting media management requirements</li> <li>• Meeting restore requirements</li> <li>• Assessing data protection methods</li> <li>• Assessing Commvault® product features</li> <li>• Assessing Commvault software options and configurations</li> </ul>

©1999-2020 by Commvault Systems, Inc. All rights reserved. Commvault, Commvault and the “C” logo, Commvault Systems, Simpana, CommCell, and CommServe are trademarks or registered trademarks of Commvault Systems, Inc. All other third party brands, products, service names, trademarks, or registered service marks are the property of and used to identify the products or services of their respective owners. All specifications are subject to change without notice.

COMMVAULT.COM | (866) 873 - 3640 | [registrar@commvault.com](mailto:registrar@commvault.com)

©2020 Commvault Systems, Inc. All Rights Reserved.