

Microsoft Application Virtualization (App-V)

5.1 / 5.2 – Masters Level

Tim Mangan

Tim Mangan originally ran the development group at Softricity, a leading provider of application virtualization at that time. Microsoft acquired Softricity in 2006 to build App-V using their technology. Since then, Tim provides trainings and wrote several books about App-V. Tim is recognized by Microsoft as a “Most Valuable Professional” (MVP) and is the absolute authority instructing App-V technology.

This 4-day training is delivered in English

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Equipment:

RealStuff will provide desktop Computers to access the Labs. You are welcome to sequence on your own VMs, on your laptop or back in your office via VPN, but we do provide all of the VMs you need.

Prerequisites and abstract

This 4-day class will provide you with both theory and practical hands-on experience in the training lab. This class is both for those who are new to App-V and those with prior experience already.

Course goals:

After attending this class you will be able to:

- Select the right App-V deployment architecture for your company.
- Know how to install and administer all App-V components.
- Learn how to sequence (prepare) applications for virtualizations.
- Learn how to troubleshoot problems that arise.

Duration:

4 days, divided in:

Day 1 Concepts, architecture and administration

Day 2 - 4 Advanced Concepts, sequencing and labs

Material:

Concepts- Administration and Sequencing guides.

Language:

English

The course will cover the following modules:

Fundamental concepts

- Basics of how Application Virtualization works and theory of operation.

Architecture

- Investigate options on how to implement virtual application delivery, including App-V Server, Configuration Manager, third-party delivery systems, and in-house developed options.

Installation

- Planning and installation of App-V Servers for Primary, Remote, and Backup sites. Understand App-V Server Installation and Maintenance.

Integrations

- Integrating with SCCM. Integrating with Citrix.

License Management

- How and why you should Use App-V for License Management, even if you don't deploy using the server.

Advanced Concepts

- Starting with a deep into Installer technology to provide an understanding of all the things installers do to systems, you learn how different actions by installers are handled in App-V. You also learn how to determine the key details of application interfaces in your packages using available tools.

Current Best Practices in Setting up a Sequencing Station

- What goes in and what stays out. Tips for efficient sequencing.

Current Best Practices in Sequencing

Through a series of hands-on labs (the bulk of the course) you will learn the latest best practices from the master. Topics include:

- Streaming and Client Performance
- Unit testing best practices
- App-V Package analysis

- App-V Scripting
- Connection Groups
- Plug-ins
- Debugging packages

Deployment

- Covering deployment through the App-V Server, SCCM, Stand-alone scripting, and Citrix

Tooling

- We work with tools like the App-V Sequencer and Client, plus third party tools such as AppV_Manage, ACE, AVME, PowerShell, Process Monitor, and more.

Contractors

- Third-party Packaging Contractors are available, but you need to validate their capabilities and manage the process to be successful.

Conversion

- Lean about conversion possibilities, experiences, and practices, from both App-V 4.x and Citrix Streaming.