

# TechReady®

Are you ready to implement IT solutions?

**TechReady** provides training and consulting services for IT professionals, to enable them to successfully evaluate, plan, build, deploy and operate IT solutions.

## Training

- Seminar: Mobile Device Management with Microsoft Intune and System Center 2012 Configuration Manager R2
- Seminar: Implementing a Private Cloud with Windows Server 2012 R2 Hyper-V and System Center 2012 R2
- Seminar: Implementing Windows Azure Pack
- Seminar: Build your own datacenter in Microsoft Azure
- Seminar: Visual Studio 2013 Application Lifecycle Management

## Consulting

- Workshop and Proof-of-Concept: Mobile Device Management with Enterprise Mobility Suite
- Personalized Consulting Services



# Training and Consulting

# TRAINING

**TechReady** provides customized seminars and workshops. We understand that time is a limited resource, and we have designed these seminars to make the most of the time of IT professionals, by maximizing the amount of information transferred.

The seminars can be delivered on-premise at your company location. We do not limit the attendance; we charge a fixed fee for each delivery, regardless the number of participants.

## Seminar: Mobile Device Management with Microsoft Intune and System Center 2012 Configuration Manager R2

Length: 2 days

Attend this seminar to find out how you can manage mobile devices using Microsoft Intune, either in the Cloud Only configuration, or using the Unified Management configuration with System Center 2012 Configuration Manager R2

We will discuss the Microsoft Intune architecture, supported clients and devices, directory synchronization with DirSync or ADFS, mobile device enrollment and deploying software to mobile devices.

We will also discuss the Unified Management features using Microsoft Intune together with System Center 2012 Configuration Manager R2, configuring Microsoft Intune Connector, managing Compliance Settings and deploying applications to mobile devices, and end-user experience for enrolling mobile devices.

The seminar consists in presentations and demos performed by the trainer.

### Agenda

#### Module 1 – Microsoft Intune Overview

- Microsoft Intune Features
- Cloud Only and Unified Management
- Microsoft Intune Architecture
- Microsoft Intune Portals
- Administrator Roles, Users and Groups
- Demo: Using Microsoft Intune Portals

#### Module 2 – Identity Management with Microsoft Intune

- Microsoft Intune Identity Management Options
- Introducing Windows Azure Active Directory
- Directory Synchronization with DirSync
- Directory Synchronization with ADFS
- Demo: Configuring Directory Synchronization with DirSync

#### Module 3 – Cloud Only Microsoft Intune Configuration

- Supported Devices and Enrollment Options
- Policy Templates for configuring Microsoft Intune Agents
- Standard Microsoft Intune Client Deployment
- Demo: Installing and Configuring Microsoft Intune Client

#### Module 4 – Mobile Device Management with Microsoft Intune

- Mobile Device Enrollment for Windows RT, Windows Phone, iPhone and Android
- Mobile Device Management prerequisites
- Mobile Device Settings Management
- Demo: Enrolling and Managing Mobile Devices

#### Module 5 – Deploying Software to Mobile Devices

- Software Management Options
- Software Management Prerequisites
- Deploying Software to Mobile Devices
- Demo: Deploying Software to Mobile Devices

#### Module 6 – Unified Management with Microsoft Intune and System Center 2012 Configuration Manager R2

- Unified Management prerequisites
- Configuring Microsoft Intune Connector
- Demo: Configuring Microsoft Intune Connector

#### Module 7 – Managing Mobile Device Settings and Compliance

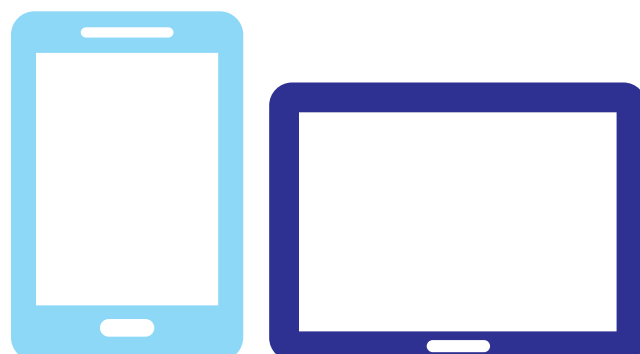
- Mobile Device Inventory and Reporting
- Configuring Compliance Settings
- Managing Mobile Device Lifecycle
- Demo: Viewing Reports and Managing Compliance Settings

#### Module 8 – Unified Software Deployment

- Publishing Applications to Mobile Devices
- Managing Company Portal App
- Demo: Publishing Applications to Mobile Devices

#### Module 9 – End User Experience for Mobile Devices

- Enrolling Windows Phone 8.1
- Enrolling iOS and Android devices
- Enrolling Windows RT 8.1
- Using Exchange Active Sync
- Demo: Enrolling Mobile Devices



## Seminar: Implementing a Private Cloud with Windows Server 2012 R2 Hyper-V and System Center 2012 R2

Length: 3 days

In this seminar we will discuss the new features in Windows Server 2012 R2 Hyper-V and System Center 2012 R2 and how can you use these features to implement a private cloud infrastructure. The seminar covers areas such as configuring Hyper-V failover clusters, configuring virtualization hosts, configuring virtual networks (including the new network virtualization features), configuring storage and automatically provisioning virtual machines and services using templates.

We will also discuss how you can use System Center 2012 R2 App Controller, Operations Manager, Data Protection Manager and Orchestrator to automate processes and provide private cloud services.

The seminar consists in presentations and demos performed by the trainer.

### Target audience

This training is designed for IT professionals who want to design, implement and operate private cloud infrastructures based on Hyper-V and System Center. The seminar is following the exam objectives for exam 74-409: *Server Virtualization with Windows Server Hyper-V and System Center*. By passing this exam you can obtain the Microsoft Certified Specialist: Server Virtualization with Hyper-V and System Center certification.

### Agenda

#### Module 1: Introduction to Microsoft Virtualization

- Overview of Private Cloud
- Overview of Microsoft virtualization technologies
- Overview of Hyper-V in Windows Server 2012 R2
- Demo: Using Hyper-V Manager to create and manage virtual machines

#### Module 2: Implementing a Hyper-V Failover Cluster

- Overview of Failover Clustering in Windows Server 2012 R2
- Failover Clustering features used for Hyper-V
- Overview of iSCSI
- Demo: Implementing a Hyper-V Failover Cluster

#### Module 3: Introduction to System Center 2012 R2 Virtual Machine Manager

- Overview of System Center 2012 Virtual Machine Manager Architecture
- Planning a System Center 2012 Virtual Machine Manager Implementation
- Installing System Center 2012 Virtual Machine Manager
- Demo: Installing System Center 2012 Virtual Machine Manager

#### Module 4: Configuring and managing virtualization hosts in SCVMM 2012 R2

- Overview of virtualization platforms
- Configuring Hyper-V hosts
- Managing Hyper-V hosts
- Demo: Configuring and Managing Hyper-V hosts

#### Module 5: Configuring Virtual Networks in SCVMM 2012 R2

- Overview of Virtual Switches
- Configuring Virtual Switches
- Overview of networking virtualization with NVGRE
- Demo: Configuring virtual networks

#### Module 6: Configuring Storage in SCVMM 2012 R2

- Overview of storage management features
- Configuring storage
- Demo: Configuring storage

#### Module 7: Implementing clouds in SCVMM 2012 R2

- Overview of clouds
- Configuring clouds, allocating resources and assigning user roles
- Demo: Creating and configuring clouds

#### Module 8: Creating VM templates and service templates

- Overview of VM Templates
- Configuring HW profiles, Guest OS profilers, Application profiles, SQL profiles
- Creating Service Templates
- Demo: Creating VM templates and service templates

#### Module 9: Implementing System Center 2012 R2 App Controller

- Overview of App Controller
- Installing App Controller
- Demo: Configuring and using App Controller

#### Module 10: Monitoring a private cloud with Operations Manager

- Overview of Operations Manager
- Features for monitoring virtualization infrastructures
- Demo: Configuring Operations Manager to monitor a private cloud

#### Module 11: Protecting virtualized workloads with Data Protection Manager

- Overview of Data Protection Manager
- Features for protecting Hyper-V workloads
- Demo: Configuring Data Protection Manager to protect a Hyper-V host

#### Module 12: Building Cloud Services with Windows Server 2012 R2, System Center 2012 R2 and Windows Azure Pack

- Overview of Azure Pack
- Implementing cloud services with Azure Pack
- Demo: Configuring Azure Pack





### Seminar: Implementing Windows Azure Pack

Length: 1 day

Attend this seminar to find out how you can provide self-service access for users to Private Cloud services.

Learn how to install and configure Windows Azure Pack, how to integrate with a private cloud infrastructure managed by System Center, how to configure plans and subscriptions and how to integrate Windows Azure Pack with 3rd party solutions

The seminar consists in presentations and demos performed by the trainer.

#### Agenda:

- Module 1: Introduction to the Windows Azure Pack
- Module 2: Installing and Configuring Windows Azure Pack
- Module 3: Configuring the Fabric
- Module 4: Configuring Self-Service
- Module 5: Implementing Service Management Automation
- Module 6: Extending Windows Azure Pack



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### Seminar: Build your own datacenter in Microsoft Azure

Length: 1 day

Attend this seminar to find out how you can use Microsoft Azure infrastructure services to build your own datacenter in the cloud.

Learn how you can use Azure Virtual Machines, Storage, Virtual Networks, Websites, Databases, Azure Active Directory to perform testing or implement applications and services into the cloud. Also find out how you can also use Azure Backup and Recovery services to provide data protection for your solutions.

The seminar consists in presentations and demos performed by the trainer.

#### Agenda:

- Module 1: Introduction to Microsoft Azure
- Module 2: Azure Virtual Machines
- Module 3: Azure Storage
- Module 4: Azure Virtual Networks
- Module 5: Azure Websites
- Module 6: Azure Databases
- Module 7: Azure Active Directory
- Module 8: Azure Backup and Recovery

### Seminar: Visual Studio 2013 Application Lifecycle Management

Length: 2 days

Attend this seminar to find out how you can manage your application development lifecycle with Microsoft Visual Studio 2013. We will discuss the installation, configuration and administration of Visual Studio Team Foundation Server 2013, and how you can define ALM processes and iterations to enable the delivery of continuous value in software development.

The seminar is covering the updated exam objectives for the MCSD: Application Lifecycle Management certification.

#### Prerequisites

To be able to obtain full value from this seminar it is recommended that you have basic experience with developing software with Visual Studio, application lifecycle and software development methodologies.

#### Objectives

By attending this seminar you will obtain the knowledge necessary to install and configure Team Foundation Server 2013 in a lab or pilot environment, and to apply application lifecycle management principles to your software development processes.

#### Target audience

This seminar is designed for the following audiences:

- IT Administrators who want to install and configure Team Foundation Server 2013
- Project Managers and Team Leads who want to apply application lifecycle management principles to their software development processes.
- Members of the development teams who want to obtain the MCSD: Application Lifecycle Management certification

The seminar consists in presentations and demos performed by the trainer.

## Day 1: Administering Visual Studio Team Foundation Server 2013

### Module 1: Installing and configuring Team Foundation Server

- Installing Team Foundation Server
- Configuring the application tier
- Migrating and upgrading Team Foundation Server
- Installing and configuring Lab Management
- Installing and configuring multiple build agents and controllers

### Module 2: Managing Team Foundation Server

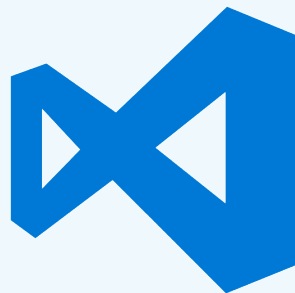
- Managing team project collections
- Configuring for backup and recovery
- Monitoring server health and performance
- Operating lab management
- Managing security
- Managing reporting for Team Foundation Server

### Module 3: Customizing Team Foundation Server

- Configuring a team build definition
- Managing build execution
- Modifying a process template
- Configuring a team project
- Applying Work Item customizations
- Creating Work Item queries
- Configuring client connectivity to Team Foundation Server

### Module 4: Administering version control

- Creating and managing workspaces
- Configuring version control proxy
- Configuring team project version control settings



## Day 2: Delivering Continuous Value with Visual Studio 2013 Application Lifecycle Management

### Module 1: Defining an effective end-to-end Software Development Lifecycle (SDLC)

- Understanding the value of an end-to-end view of Application Lifecycle Management (ALM) tools and practices
- Explaining the benefits of fast feedback
- Implementing strategies to reduce end-to-end cycle time
- Implementing strategies to improve software quality
- Implementing strategies to reduce waste
- Creating a process improvement plan

### Module 2: Defining the ALM process

- Role of different ALM processes
- Implementing a Scrum/Agile process
- Defining a Scrum/Agile process for a team
- Implementing Microsoft Solution Framework (MSF) for CMMI process improvement

### Module 3: Defining a software iteration

- Planning a release
- Defining a project-tracking process
- Scoping a project

### Module 4: Defining end value for the software iteration

- Eliciting requirements
- Estimating requirements
- Documenting requirements
- Prioritizing requirements

### Module 5: Developing customer value with high quality

- Defining code quality indicators
- Incorporating unit testing
- Developing code
- Validating quality
- Customizing a team project

### Module 6: Integrating development and operations

- Implementing an automated deployment process
- Implementing pre-production environments
- Managing feedback between development and operations
- Troubleshooting production issues



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## Certification

This seminar can help in preparing for the following two exams from the MCSD: Application Lifecycle Management certification track:

- Exam 70-496: Administering Visual Studio Team Foundation Server
- Exam 70-498: Delivering Continuous Value with Visual Studio Application Lifecycle Management

These exams have been updated in June 2014 to cover the features in Visual Studio 2013. Please visit the exam pages for the updated exam objectives.

# CONSULTING

**TechReady** provides consulting services that cover all phases of the solutions lifecycle:

Evaluate

Plan

Build

Deploy

Operate

- During the **Evaluate** phase we conduct discussions, perform demonstrations based on previously built demos, provide an overview of solution functionality, collect information and perform a preliminary analysis of requirements. If needed, a Proof of Concept can be built to test solution functionality in a lab environment and enable you to evaluate the ability of the solutions to meet the stated requirements. This will allow you to take an informed decision to implement the solution.
- In the **Plan** phase we perform activities for solution architecture design, build the functional specifications, build the project plan and the project schedule and identify the risks associated with the project. At the end of this phase we provide a full set of documentation which includes the solution design, functional specifications and project plans.
- During the **Build** phase we develop, test and stabilize the components of the solutions, in order to prepare for the implementation in the production environment. The last verification is usually the Pilot, when a release candidate of the solution is tested in the production environment with only a small number of users. The deliverables of this phase include step by step procedures for installing and configuring the solution.
- In the **Deploy** phase we implement the solution in the production environment. We provide training for users and administrators and the solution ownership is transferred to the operations department.
- In the **Operate** phase the solution is managed in the production environment for its entire operating life. This important phase is very often overlooked when thinking about new projects. We provide consulting services and operational procedures to enable you to successfully manage the solution.

## Workshop and Proof-of-Concept:

### Mobile Device Management with Enterprise Mobility Suite

In this custom engagement we combine training and consulting services to enable you to evaluate the mobile device management solution based on Microsoft Enterprise Mobility Suite.

#### Workshop - 1 day

The workshop consists in presentations and demos performed by the trainer, and interactive discussions.

##### Agenda

- Identity Management in the Cloud: Microsoft Azure Active Directory Premium, Microsoft Azure Rights Management.
- Cloud-Only Mobile Device Management with Microsoft Intune
- Unified Mobile Device Management with Microsoft Intune and System Center 2012 Configuration Manager

#### Proof of Concept – 2 days

We are testing the functionality of the solution in a lab environment, together with the IT representatives of the customer. The testing is performed using virtual machines, and using a trial EMS subscription. The production environment is not touched.

#### Activities performed

- Creating a trial EMS subscription
- Synchronizing accounts in Azure Active Directory using DirSync
- Enrolling devices with Android, Windows Phone 8.1 or iOS (provided by customer)
- Publishing the Company Portal application to devices
- Enrolling certificates (required by other features – VPN, Wi-Fi, applications)
- Configuring policies with device settings (Compliance Settings)
- Configuring VPN Profiles, Wi-Fi Profiles, E-mail Profiles
- Delivering the final presentation to the IT department

#### Deliverables

- Procedures for configuring the solution
- Procedures for enrolling devices
- Procedures for configuring settings and profiles

To maximize the benefits obtained from this engagement and ensure an optimal knowledge transfer, we recommend that attendees will participate full-time during the above activities.

## Personalized consulting services

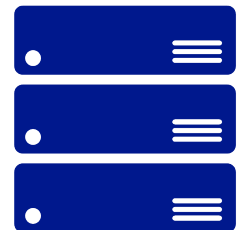
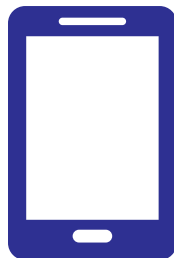
### System management • Virtualization • Mobile device management • Cloud

**TechReady** provides personalized consulting services for implementing IT infrastructure solutions, based on your requirements.

We are specialized in systems management and virtualization solutions. Our expertise includes:

- Desktop management with System Center Configuration Manager
- Mobile device management with Microsoft Intune
- Operating system deployment with Microsoft Deployment Toolkit
- Monitoring servers and applications with System Center Operations Manager
- Implementing a service desk with System Center Service Manager
- Implementing a Private Cloud with Hyper-V and System Center Virtual Machine Manager
- Providing self-service access to cloud resources using Windows Azure Pack
- Automating processes with System Center Orchestrator and PowerShell
- Implementing Azure infrastructure services
- Implementing Team Foundation Server 2013 for managing development processes

Since 2005 we have successfully deployed more than 15 implementations for System Center Configuration Manager, System Center Operations Manager and System Center Service Manager in Enterprise organizations. We have also delivered a lot of seminars and courses for Microsoft customers and partners.



#### Trainer and Consultant Profile

Adrian Stoian is an IT Trainer and Consultant at TechReady, specializing on systems management and virtualization solutions with a focus on System Center family.

Adrian is a Microsoft Certified Trainer since 1998 and enjoys explaining how to plan, implement and operate IT solutions.

Since 2009 he was awarded Microsoft MVP on System Center Configuration Manager, now MVP on Enterprise Client Management.

Adrian enjoys taking photos, collecting model trains, and going mountain biking.



MCSE: Private Cloud, MCT, CISSP, CISA

MVP on Enterprise Client Management

E-mail: [astoian@techready.ro](mailto:astoian@techready.ro)

Mobile: +40-745-117088

Blog: <http://www.adrianstoian.com/>

Twitter: @astoian

LinkedIn: <http://ro.linkedin.com/in/adrianstoian>

# TechReady

Are you ready to implement IT solutions?

## Contact

TECHREADY S.R.L.  
Nicolae Titulescu nr. 4  
Cluj-Napoca

E-mail: [office@techready.ro](mailto:office@techready.ro)

Web: [www.techready.ro](http://www.techready.ro)

Phone: +40-745-117088

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