

DAY 1

Time

Session

08:45

Opening

Introducing the team (tutors, lab master)

Goals and non-goals for the event including our expectations for the labs

Expectations of audience participation

09:00

Exchange 2010 Architecture Overview - Tony

Brief overview of the most important changes that have occurred between Exchange 2003/2007 and Exchange 2010 SP1, including

- RBAC
- Remote PowerShell
- Store changes and DAG
- Client Access Server
- Hub Transport Server
- Compliance
- Support for on-premise and Exchange in the cloud (Office 365)

10:15

Break

10:30

Exchange 2010 Store and High Availability - Tony

- Breaking the link between database and server
- RPC Client Access layer and the moving endpoints
- Database Availability Groups
- (Includes 10 minute break)

13:00

Lunch

13:40

Exchange 2010 Store and High Availability (Continued)

14:20

Exchange 2010 Client Access Server - Paul

- Moving the MAPI endpoint, including the reasons why Microsoft created a Client Access Server and how it differs from Exchange 2003
- Certificates
- Creating a CAS array
- Autodiscover changes
- Client connectivity for Outlook, OWA, ActiveSync, and EWS

15:30

Break

15:45

Client options for Exchange 2010 - Paul

- Outlook (2003 SP2, 2007, 2010)
- Outlook Web App and various browser experiences
- ActiveSync and mobile devices
- Communicator/Lync access

16:15

Break

16:30

Labs

Introduction to the Lab environment (virtualized, laptop based) and an opportunity for the attendees to set up the virtualized servers on their own computers. This assumes that the attendees come with laptops that:

- Run Windows 7 64-bit (Professional recommended)
- Have 8GB of memory available
- Have VMware workstation 7.0 (or later) installed
- Have BIOS enabled to support virtualization

It is also helpful if the attendee has made themselves familiar with VMware workstation and understands the basic concepts involved in loading and running virtual servers

18:00

End of Day - Brief Review and Q & A

DAY 2

Time

Session

09:00

Introduction to Day 2

- What we want to cover today and why it's important
- 09:15 **Role Based Access Control (RBAC) and Remote PowerShell - Paul**
- Why Microsoft has transformed the fundamental underpinning for Exchange Security
 - All about roles, role groups, and role assignments
 - How users gain access to options in ECP and OWA through role assignments
 - Administrative granularity through role assignments
 - Split administrative models
- 10:30 **Break**
- 10:45 **Mailbox Replication Service - Tony**
- How MRS takes care of moving mailboxes between Exchange 2003/2007 and Exchange 2010
 - Import and Export into the Store with MRS cmdlets
- 12:15 **Exchange 2010 Transport System - Paul**
- Updates for SP1
 - Communicating with Exchange 2007 and 2003
- 13:15 **Lunch**
- 14:00 **Compliance - Part 1 - Tony**
- Personal Archives (including Outlook 2007 access)
 - Retention Policies and tags
 - Classifications
 - Dumpster 2.0
 - Litigation hold and retention hold
 - Discovery Searches
- 15:30 **Break**
- 15:45 **Day 2 Labs**
- 18:00 **End of Day 2 - Brief Review and Q & A**
- DAY 3
- Time* *Session*
- 08:00 **Optional Session: Moving to Exchange 2010 (Tony)**
- Preparing for deployment
 - Deploying Exchange 2010
 - The Office 365 alternative
- 09:00 **Introduction to Day 3**
- What we want to cover today and why it's important
- 09:15 **Planning for Exchange 2010 (Tutor led session - Paul to develop lead-in slides)**
- Planning for server hardware
 - Using Microsoft's Storage Calculator for Exchange 2010
 - Discussion of DAG designs for High Availability
 - How to effectively virtualize Exchange 2010
- 10:30 **Break**
- 11:00 **Workshop- Planning for Exchange 2010**
- Given a need to deploy Exchange 2010 in a particular situation, what's the best plan to adopt?
- 15 minute outline of the problem
 - 45 minute workshop in groups
 - 30 minute report back from 3 selected groups
- 12:30 **Lunch**
- 13:30 **Unified Messaging and OCS Integration - Paul**
- 14:30 **Break**
- 15:00 **Labs**
- 16:30 **Final Q & A/End of event**