

# Skype für Business: Migration, Upgrade, Koexistenz und Interoperabilität

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# Agenda

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# Content

- Introduction
- Overview
- Environment Readiness
- Migration / In-place Upgrade
- Client Side Story
- Field Notes
- Best Practice
- Q & A

## Environment Readiness / Prerequisites

- Active Directory Schema / Forest / Domain Prep
- Windows OS Hotfixes
  - Windows Server 2012 R2 [KB2982006](#)
  - Windows Server 2012 [KB2858668](#)
  - \*Windows Server 2008 R2 SP1 [KB2533623](#)
- SQL Server 2014 / 2012 / 2008 R2
- Other pre-requisites e.g. PowerShell v3.0, .NET Framework 3.5/4.5, IIS, etc.
  - [Server requirements for Skype for Business Server 2015](#)
- Lync Server 2013 CU5 + Hotfix 7
- SQL 2012 Express SP1 or higher
- 32GB or more free disk space

\* OS recommended for in-place upgrade only

# Field Notes

- Install Sfbs Admin Tools on new “management” box
- SQL Backend Database
  - SQL Clustering and Mirroring supported
  - not required to deploy SQL AlwaysOn\*
- Disable-CsComputer -Scorch #FE Pool (in-place upgrade)
  - Stop-CsWindowsService #other pool types
  - Start-CsPool / Start-CsWindowsService
- Get-CsManagementstoreReplicationStatus / Invoke-CsManagementStoreReplication
- Windows Firewall must be running

\* Standard edition 2-node otherwise Enterprise Edition

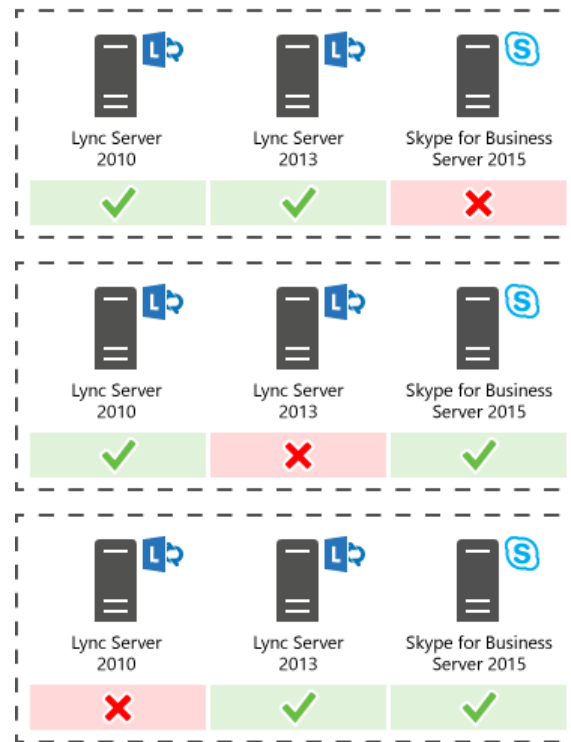
## Field Notes

- Deploy Sfbs-specific tools if available
  - Debugging Tools (snooper, etc.)
  - SEFAUtil
  - Call Quality Dashboard (CQD)
  - Real-Time Statistics Manager (KHI & CQM)
  - Bandwidth Calculator
  
- Controlled migration to Sfb desktop and mobile client\*
- Lync Attendant Console 2010 or 3<sup>rd</sup> party Lync/Cisco e.g. [Bridge Operator Console](#)

\* Skype Mobile Windows- and iOS-App now available

## Best Practice

- Backup all Lync configuration, settings, .tbxml, etc.
- Use only Sfbs Topology Builder and tools
- Upgrade / migration from “inside-out”
  - FE, Director, Med. Server, PChat, Edge, CMS Pool
- No need to break pool-pairing
- Upgrade all servers in Front-End pool followed by the paired pool immediately
- Avoid tri-version state i.e. Lync Server 2010, 2013, Sfbs
- Upgrade FE pool with CMS last or move to another pool first
- Verify that SQL mirrored databases are running on the Principal node



## Best Practice

- Terminate all opened Lync management tools sessions
- Update Anti-Virus exception list
- Move-CsUser -MoveConferenceData before in-place upgrade to avoid downtime
- No in-place upgrade for Lync 201x SBA or SBS although continue to be supported
- Network attached storage (NAS) as a file share not supported



## Weiterführende Kurse

- Core Solutions of Microsoft Skype for Business 2015 («[M20334](#)»)