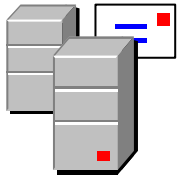




Exchange Server 2016

Nils Kaczenski, Teamleiter Microsoft-Consulting

Exchange: Eine Evolution



Exchange Server 2003



Exchange Server 2007



Exchange Server 2010



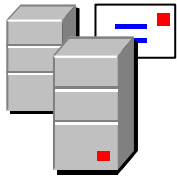
Exchange Server 2013



Exchange Server 2016

- 32 Bit
- Multirole-Server
- Routinggruppen
- Cache Mode
- Exchange Active Sync
- OWA = .NET

Exchange: Eine Evolution



Exchange Server 2003



Exchange Server 2007



Exchange Server 2010



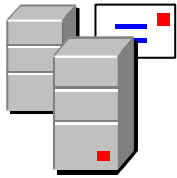
Exchange Server 2013



Exchange Server 2016

- 64 Bit
- 5 Server-Rollen, verteilt
- Edge-Server = Gateway
- PowerShell
- Replikations-Cluster (Option)
- Unified Messaging

Exchange: Eine Evolution



Exchange Server 2003



Exchange Server 2007



Exchange Server 2010



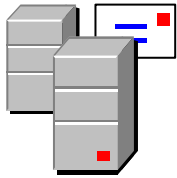
Exchange Server 2013



Exchange Server 2016

- 5 Server-Rollen, verteilt
- DAG-Cluster, CAS separat
- Load Balancer empfohlen
- Datenbanken flexibel
- Berechtigungen rollenbasiert
- Erheblich weniger I/O

Exchange: Eine Evolution



Exchange Server 2003



Exchange Server 2007



Exchange Server 2010



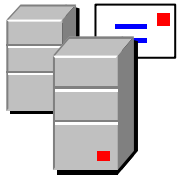
Exchange Server 2013



Exchange Server 2016

- Nur noch 2 Rollen
- Multirole empfohlen
- Load Balancer empfohlen
- Nur Web-GUI
- Nachrichtenkontrolle
- OWA offline
- Lange unfertig ...

Exchange: Eine Evolution



Exchange Server 2003



Exchange Server 2007



Exchange Server 2010



Exchange Server 2013



Exchange Server 2016

- Keine Rollentrennung
- Load Balancer erforderlich
- Skaliert leicht
- Einfache Koexistenz
- Preferred Architecture
- Kommt noch 2015

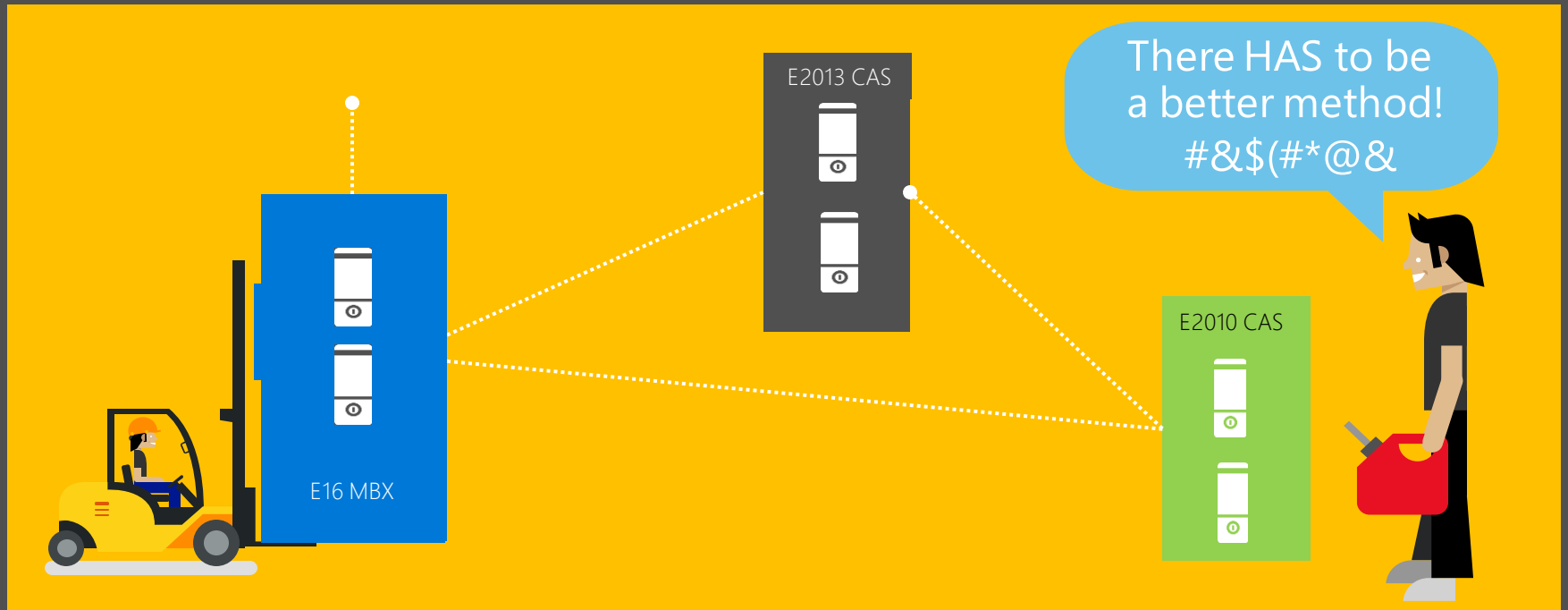
Neu in Exchange Server 2016

- **Anhänge beim Versand automatisch auslagern**
 - Sharepoint
 - Office 365
- **Suche schneller, besser und kontextbasiert**
- **OWA und Outlook optimiert für Smartphones**
 - Besserer Überblick
 - Schnelle Bearbeitung
- **Weitere Features noch unbekannt**

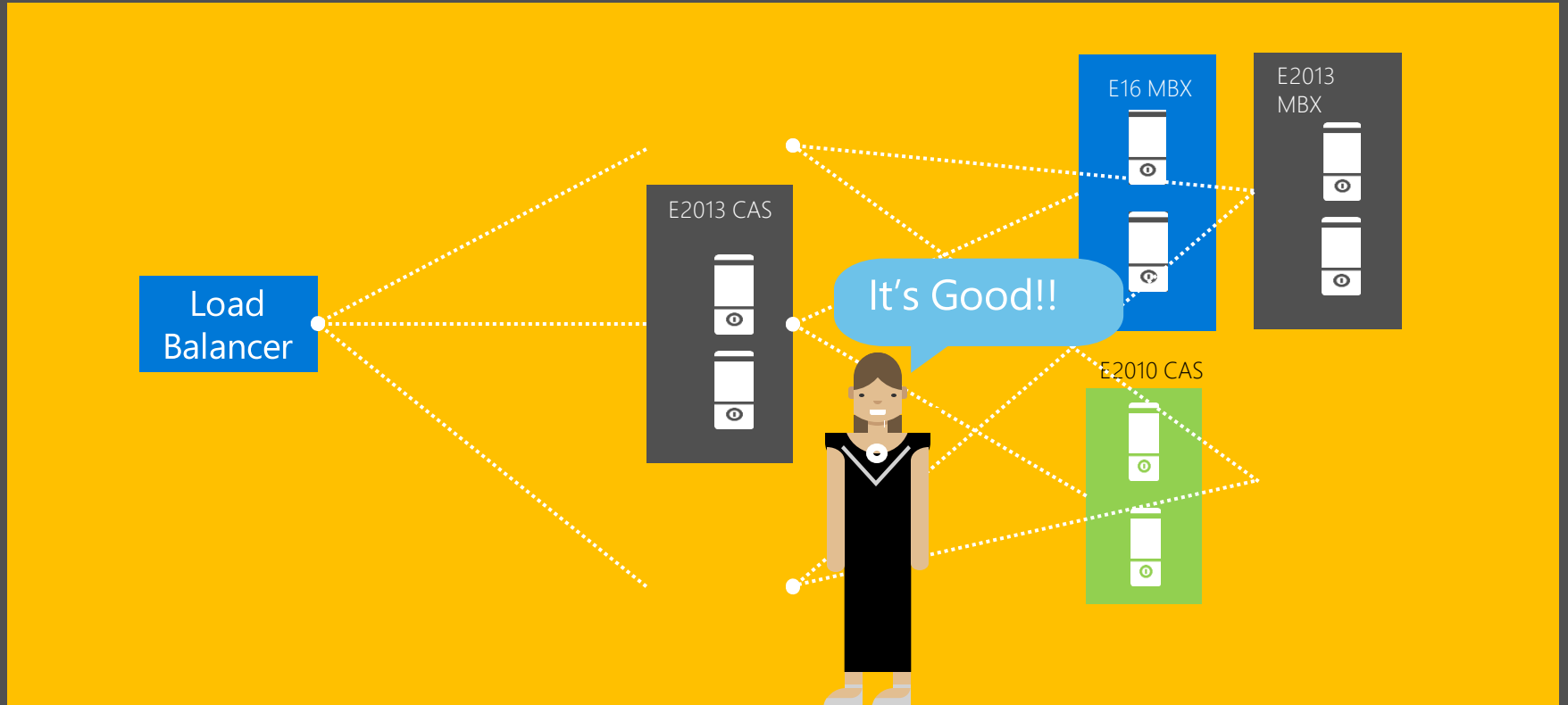


Koexistenz und Migration

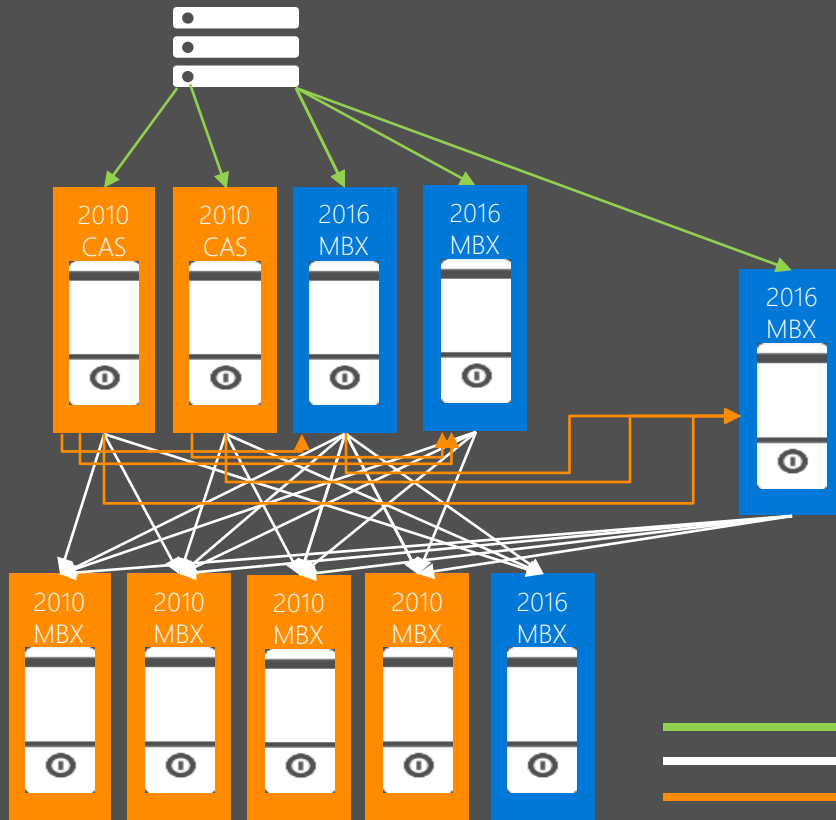
Exchange Upgrades, the old way.



Exchange Upgrades, the new way.



How Does This Work Outside of a Lab?



1. LB is sending traffic to 2010 CAS services
2. Exchange 2016 is introduced
3. Exchange 2016 CAS services added to LB pool
4. Exchange 2010 CAS services removed from LB pool
5. More Exchange 2016 introduced and added into LB pool
6. More 2010 CAS services removed from LB pool
7. More Exchange 2016 introduced and added to LB pool
8. Final 2010 CAS services removed from LB pool

— LB to Client Access Services
— Client Access Services to Mailbox
— 2010 Client Access to 2016 Mailbox
Not Shown: Intra-2016 Server Traffic



nka@michael-wessel.de

@Kaczenski