

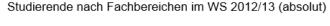
Identity Management mit Microsoft Forefront Identity Manager an der FH Düsseldorf



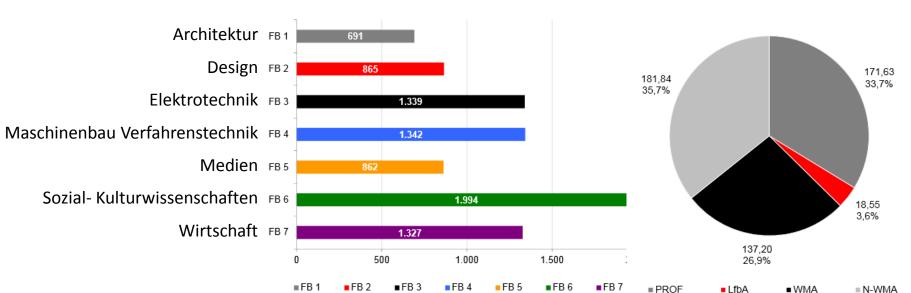




Die Hochschule in Zahlen



Personal Gesamt nach Personaltypen





1 Ein Identitätenmanagementsystem

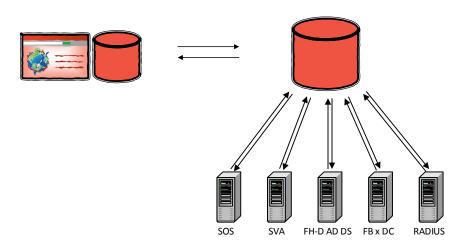
Eigentlich ist es egal, welches man hat - Hauptsache man hat eines.

Meines macht zusätzlich noch Spaß.

Den Spaß muss man sich auch leisten können.



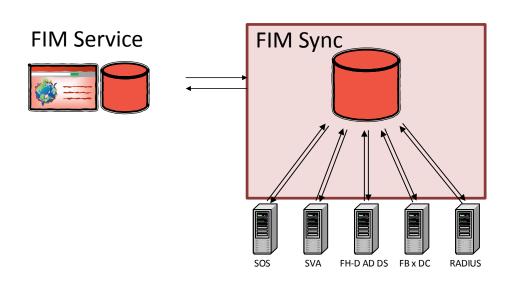
Ein Identitätenmanagementsystem

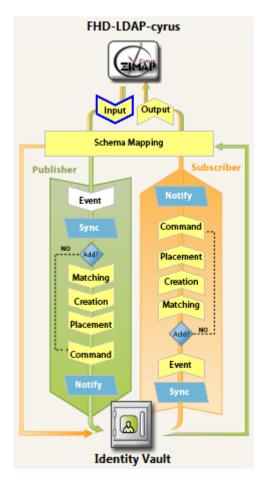


- Aggregation
- Erstellen von UID/PUK und Email
- Provisionierung erst nach Aktivierung
- Synchronisieren
- Helpdeskunterstützung
- personenunabhängiger Betrieb



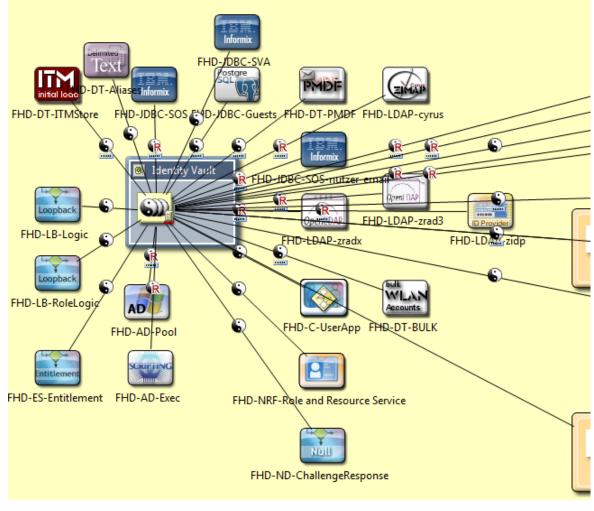
Ein Identitätenmanagementsystem





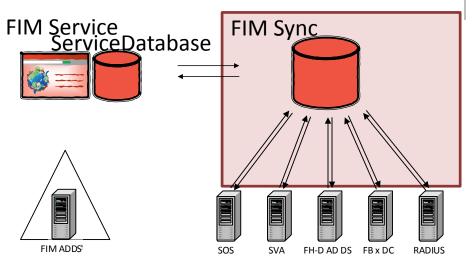


konkrete Umsetzung mit Novell





Topologie



Virtual Machines			
Name A	State	CPU Usage	Assigned Memory
FADDS	Running	0%	6000 MB
FS FS	Running	0%	16160 MB
FSDB	Running	0%	16160 MB
FSync FSync	Running	0%	16160 MB



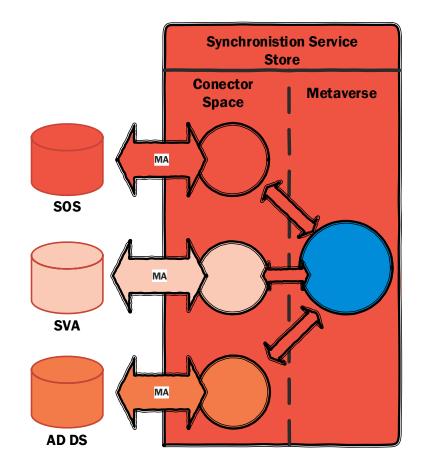
2 FIM als Entscheidung

- FIM kann man mieten
- FIM benutzt als Schnittstelle zu den Usern die Sharepoint Services
- Umgekehrt benutzt Sharepoint die Syncengine von FIM
- DirSync, das Tool zur Synchronisierung in O365, benutzt die Syncengine



FIM in deep

- Es ist Status basierend
- Die MA laufen gesteuert
- FIM speichert Daten redundant
- Business Rules werden durchgesetzt





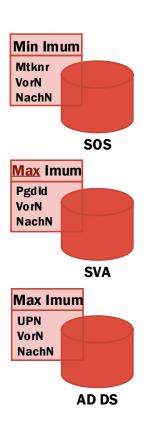
FIM SyncSrv DB

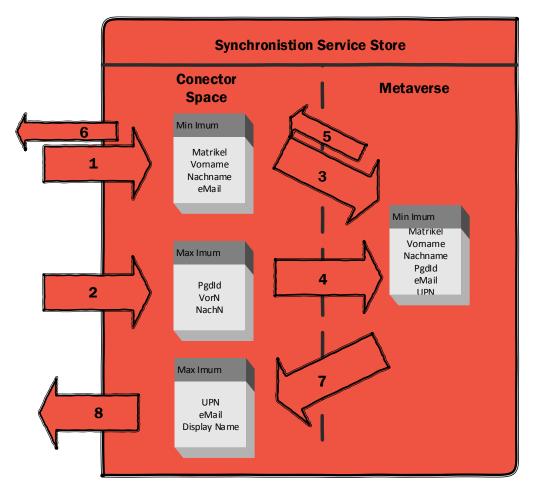
FIMSynchronizationService Database Diagrams □ Tables System Tables dbo.mms connectorspace dbo.mms cs link dbo.mms csmv link dbo.mms extensions dbo.mms_joiner_log dbo.mms_lineage_cross_reference dbo.mms_management_agent dbo.mms metaverse dbo.mms_metaverse_lineagedate dbo.mms_metaverse_lineageguid dbo.mms metaverse multivalue dbo.mms_mv_link dbo.mms partition dbo.mms_recompute_indicators dbo.mms_run_history dbo.mms_run_profile dbo.mms_server_configuration dbo.mms_step_history dbo.mms_step_object_details dbo.mms_tracking_entries dbo.mms_tracking_entries_history

,[ad UserCannotChangePassword] ,[address] ,[type] ,[c] ,[city] , [cn] , [co] 🛄 Results 📑 Messages object id object typi 78 52A8FC72-D6DC-4279-AC7C-A5A0F0A40566 Identity 79 EAB75184-EAAD-49D0-8158-C18494730D6B Identity 80 208D5346-A7E8-4503-8AC0-34DF66CB6BFB Identity 0E357BA6-19E9-4741-AA39-0FDD704AE622 81 Identity 82 4A31F0C7-3A20-479B-9128-451B2166117C Identity 83 60054EA7-22DB-4D49-A474-F5F3D6C17FA8 Identity 84 812CBA11-7862-46B4-BA64-725119355561 Identity 85 00E61D30-090B-4F26-BB8A-AEEA7EFBEA99 Identity 86 9B020D90-C5A2-448E-9FAF-497DC2259C0B Identity 87 15960583-DED7-4C8C-A503-F3BA848309B2 Identity 252277E0-3615-4CDE-BC22-750BF81A1E0F Identity



FIM Datenflüsse

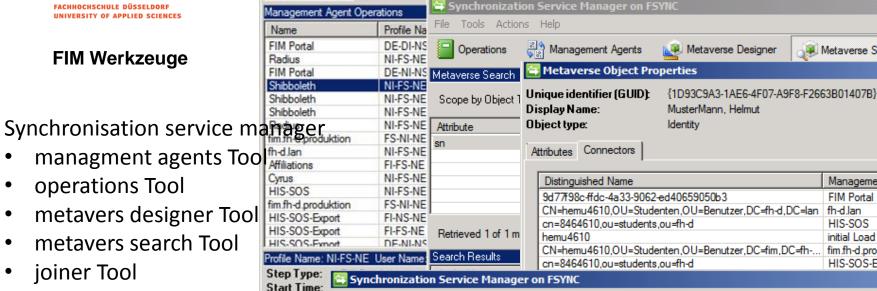






managment agents Too

- operations Tool



Synchronization Service Manager on FSYN

Management Agents

Metaverse Designer

Metaverse Search

Metaverse Search

Management Agent

FIM Portal

Joir

pro

File Tools Actions Help

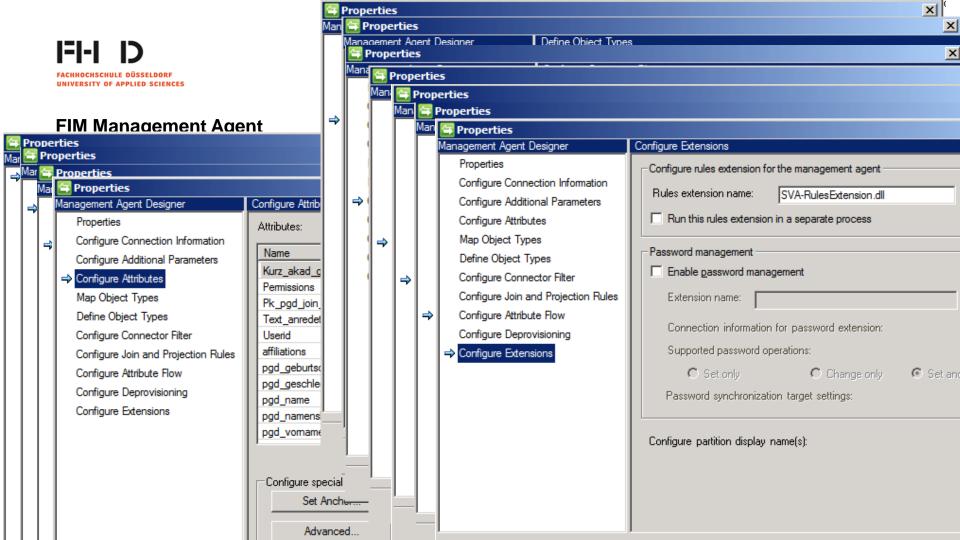
Operations

Synchronization Service Manager or

Management Agents

Tools Actions Help

fh-d.lan pro metavers designer Tool HIS-SOS pro initial Load join metavers search Tool CN=hemu4610.OU=Studenten.OU=Benutzer.DC=fim.DC=fh-... fim.fh-d.produktion pro HIS-SOS-Export join joiner Tool Start Time: File Tools Actions Help Export Statist Management Agents Metaverse Designer Metaverse Search Joiner Inbound Sy Projections Joiner Joins Filtered Disco HIS-SOS Explicit Disconnectors Management Agent: Disconnector Type: Disconnector Connectors v All Disconnector Types Disconnectors Connectors 1 Disconnectors Filtered Conn Dateofmatric name nomiert Pk mtknr Explicit Disconnectors Filtered Disconnectors Deleted Conn Metaverse Ol Roland Conradshaus - Fachhochschul Outhound

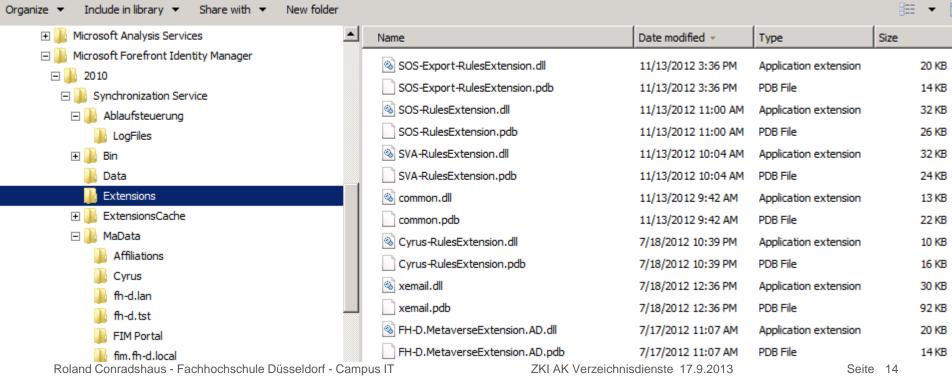




FIM Extensions

Forefront Identity Manager ▼ 2010 ▼ Synchronization Service ▼ Extensions

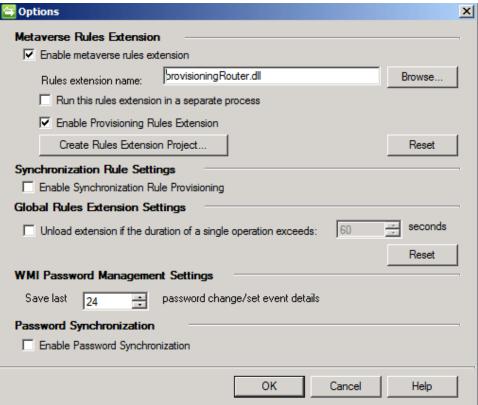






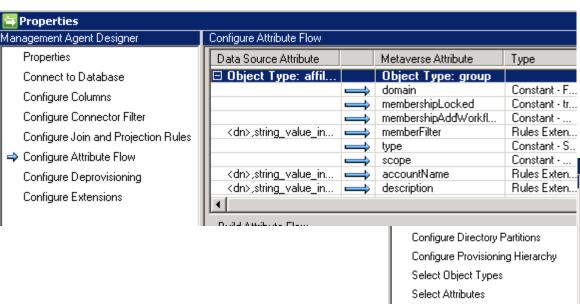
FIM Provisioning Rules

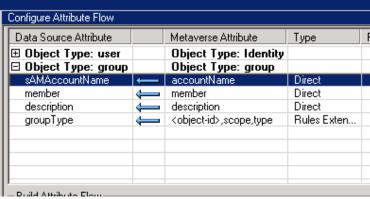






Gruppenmanagement

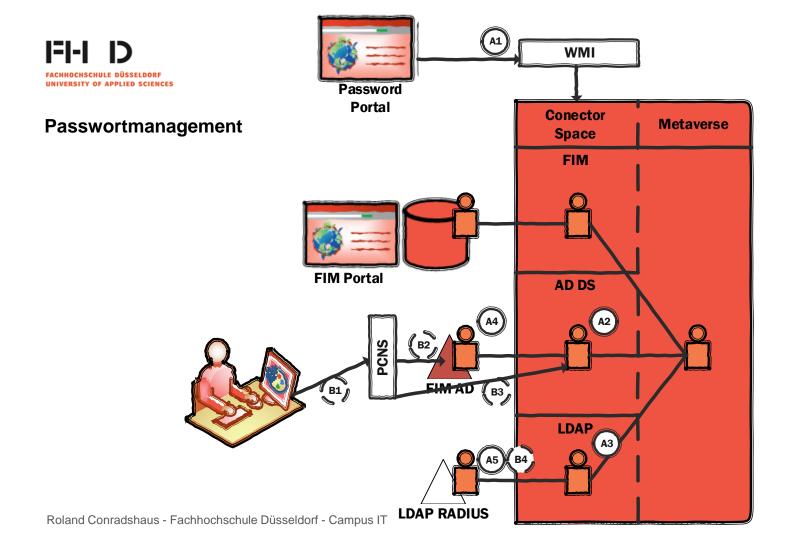


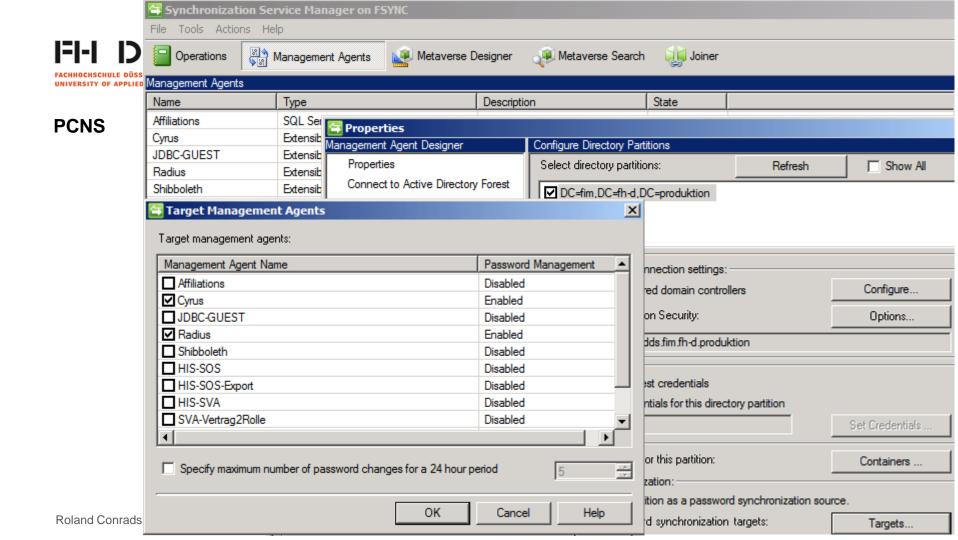


Configure Connector Filter

Configure Attribute Flow

Configure Join and Projection Rules







FIM Service und Portal







Solutions



Mgmt



Mgmt



Mgmt



Mgmt



FIM Architektur

FIM Clients









FIM Sync

Portal

FIM CM

FIM Platform



Request

Processor









Workflow





Workflow



MAs



Cert Mgmt

Identity Stores

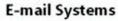






Databases

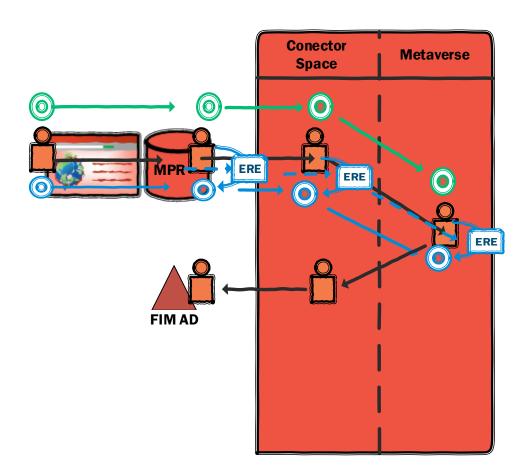






FIM Synchronisation Rules

- Klassische Regeln
- beschreibende Regeln
 - Outbound
 - Inbound





3 FIM Synchronisierung

- Klassische Synchronisierungsregeln sind
 - mächtig
- Deklarative Synchronisierungsregeln sind
 - flexibel
 - transparent



FIM nächste Schritte

- Anbindung einer Sharepoint Liste mittels WS MA
- Einverständnisserklärung zu O365
- Gruppenmanagement für Emaillisten
- Update auf die aktuelle Version
- **Umbau auf Sync Rules**



Vielen Dank für Ihre Aufmerksamkeit

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