SYSTEM ARCHITECTURE
SETUP AND CONFIGURATION CONCEPTS

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AGENDA

Introduction of system landscape and components

System Components, One Dealer Configuration, Operating Systems and Versions

Additional Systems

Lumira, OMNI Channel Environments, Interfacing, SAP Business One DMS addons

Security and Licensing

Certificates, Private IPs, HTTPS,VPN.

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

System Components - Servers

- ✓ **OD IIS** Server
- ✓ **Omnichannel IIS** Server
- ✓ **B1 Terminal** Server (Presentation Server)
- ✓ **HANA DB** Server
- ✓ **Server Tools** Server
- ✓ **SQL** Server
- ✓ **LUMIRA/Business Objects** Server

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

Servers and Components per Server 1/2

OD IIS Server & Omnichannel IIS Server

- Main IIS applications (DSW, OSM, My Site, Campaign Management)
- Supporting/System IIS applications (Reporting, Lite Configurator, Interfaces Adapter, Portal)
- Windows services (Lucene search, Interface console apps, Notification Services)
- Software (Redis, Octopus Deploy)
- Windows Schedulers (Lucene search, IIS Recycling)
- SAP Business One Client (fat client)

OD B1 Terminal Server (Presentation Server)

- SAP Business One Client (fat client)

HANA DB Server

- HANA Database Instance
  - OD Database schema
  - OD Common Database schema
  - Interface Staging Database Schema
  - Monitoring DB (performance log mechanism)

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

Servers and Components per Server 1/2 – Web Apps

- **Digital Sales Workplace (DSW)**
- **Online Service Management (OSM)**

- **Supporting apps**
  - OD Reporting
  - OD Lite Configurator
  - Lucene search
  - OD Portal
  - OD Video Streaming
  - OCR
  - Outlook Web add-in
  - Notification Service
  - Interfaces Adapter

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

Servers and Components per Server 2/2

Server Tools Server

- Service Layer
- License Server
- Other SAP Business One Components (Backup, Application Framework)

SQL Server

- My Site - Omnichannel DBs
- OD Video streaming DB
- OD Notification

Lumira Server

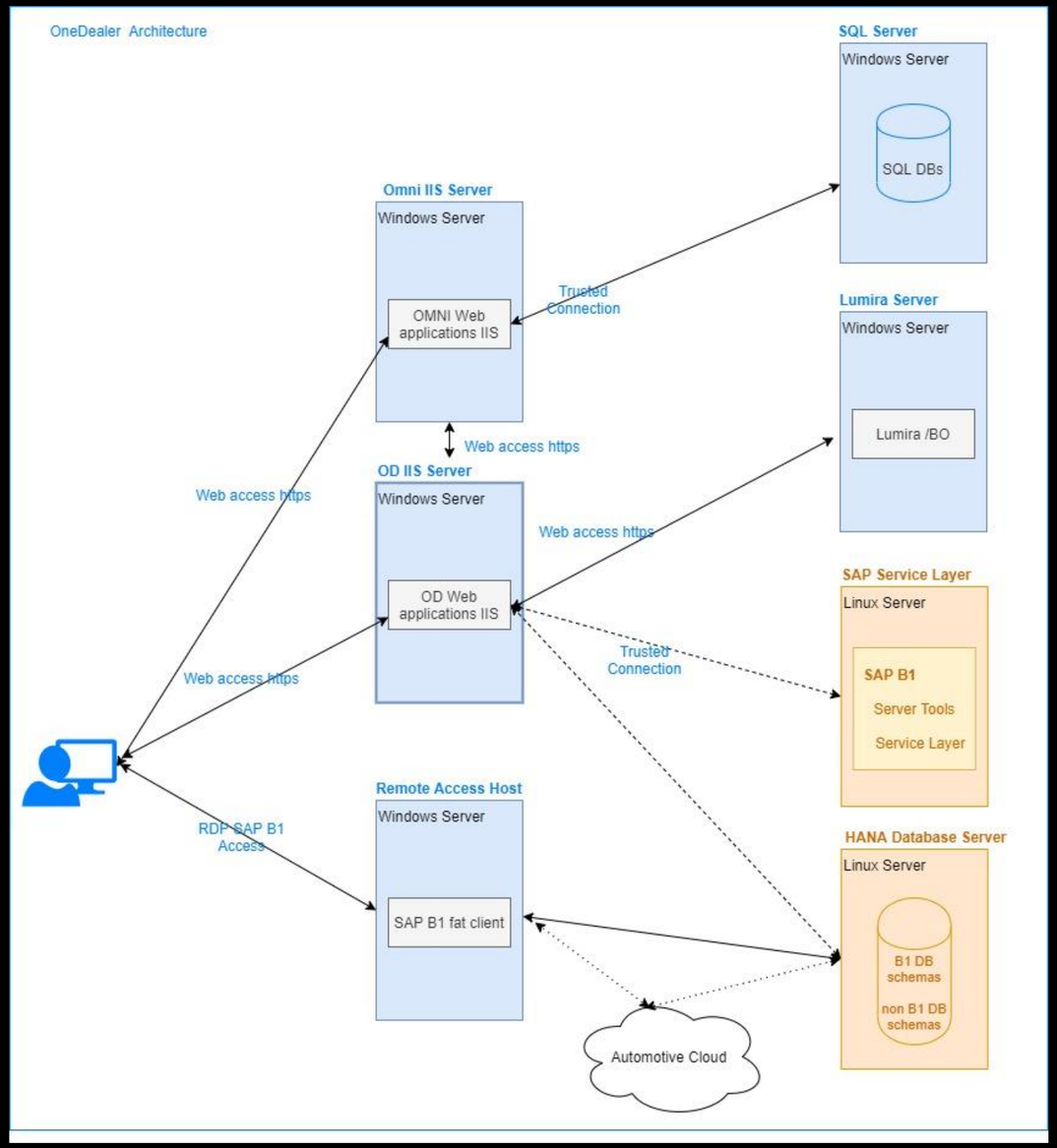
- Apache web server
- Lumira Web Application

Other Central OD Servers

- Mongo DB (Log mechanism)
- Central User Management Apps (Portal and Outlook Add-in integration)
- Monitoring Systems (Zabbix)
- Deployment and Synchronization tools (Publishing app, Jenkins)

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

BASIC ARCHITECTURE



INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

OneDealer Initial System Configuration 1/3

Application

- Web.config files
- xml files
- Database tables

DNS, Firewall

- A Records,
- CNAME records
- Domain verification mx records etc

Database

- SYSTEM Hana DB User
- Additional Hana DB Users
- Object access

Server

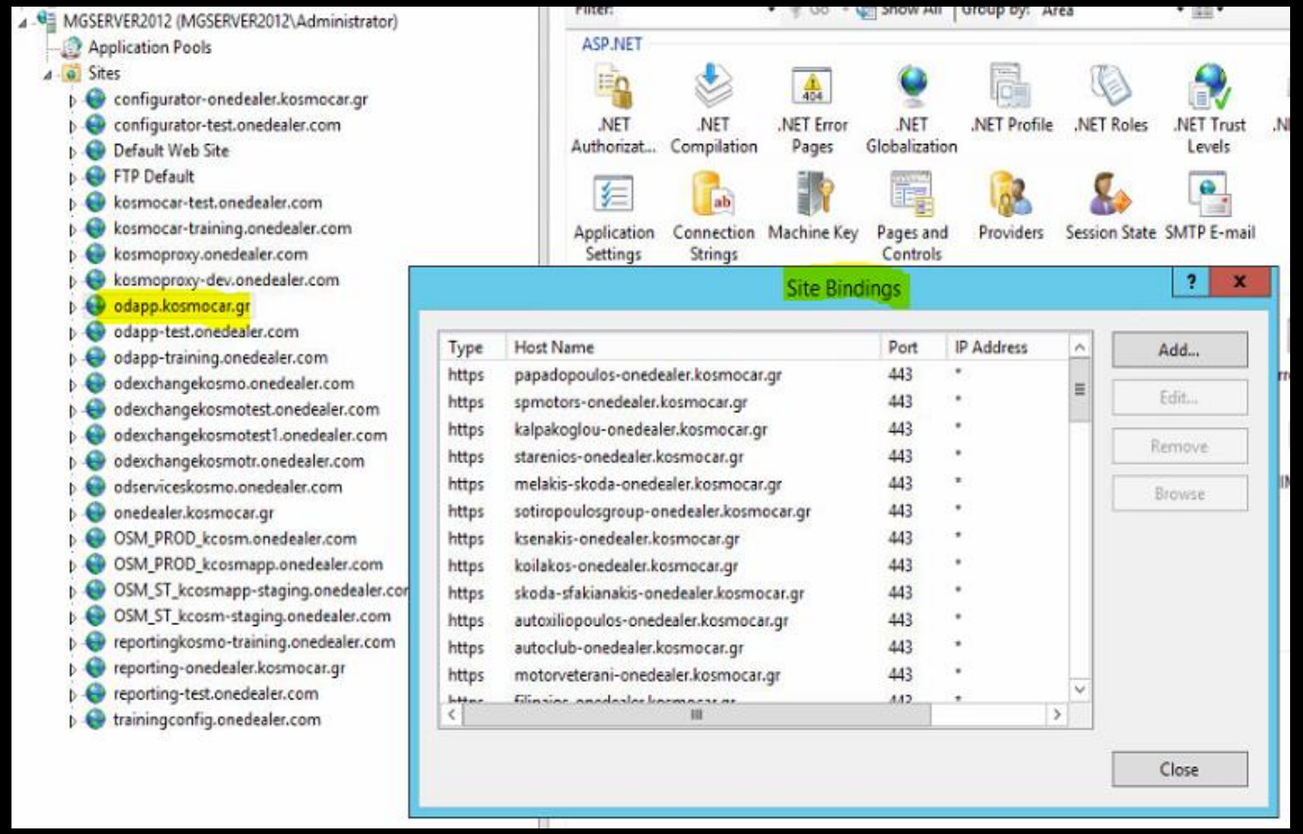
- IIS recycling
- SL configuration (session timeouts)
- Firewall Rules for Direct access (Lumira ,other external components)

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

OneDealer Initial System Configuration 2/3

IIS Bindings:

OneDealer is configured as One main application that holds multiple dealers



Connection String:

The applications connect to HANA DB using a connection string in the Web.config file in application root like below:

```
<connectionStrings>
  <add name="DirectCommon" connectionString="Server=<Server_IP>:<Port>;Current Schema=<SCHEMA_NAME>;UserID=<USER_NAME>;Password=<PASSWORD>"/>
</connectionStrings>
```

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

OneDealer Initial System Configuration 3/3

Common DB
Company/Tenant configuration

185.168.193.10:30015.IDMS_COMMONKOSMO.COMPANY

Company ID	Code	Description	Deletable	Domain ID	Hana IP	Schema Name	SAPB1Service Layer URL
8D493F67EF3D02B	FILOSIDIS	ΑΦΟΙ ΦΙΛΟΣΙΔΗ Α.Ε.	0	8D47DD28503CBB4	185.168.193.10	KCSNLPROD1	https://185.168.193.38:50000/b1s/v1
8D4FB910C1AF807	AUTOCLUB	AUTO CLUB A.E	0	8D47DD28503CBB4	185.168.193.10	KCSNLPROD1	https://185.168.193.38:50000/b1s/v1

185.168.193.10:30015.IDMS_COMMONKOSMO.TENANT

Tenant ID	Company ID	Name	Installation Code	Url	Site Root Url
8D4FEBF6D06BD8F	8D493F67EF3D02B	ΑΦΟΙ ΦΙΛΟΣΙΔΗ Α.Ε.	Kosmocar	https://filosidis-onedealer.kosmocar.gr	https://filosidis-onedealer.kosmocar.gr/
8D493E26ADB3DB4	8D493F67EF3D02B	ΑΦΟΙ ΦΙΛΟΣΙΔΗ Α.Ε.	Kosmocar	https://filosidis-onedealer.kosmocar.gr	https://filosidis-onedealer.kosmocar.gr/
8D4FEBF6D06BD73	8D4FB910C1AF807	AUTO CLUB A.E	Kosmocar	https://autoclub-onedealer.kosmocar.gr	https://autoclub-onedealer.kosmocar.gr/
8D4FEBF6D06BD71	8D4FB92E348359B	Α.ΜΑΡΙΝΑΤΟΣ Α.Ε.	Kosmocar	https://marinatos-onedealer.kosmocar.gr	https://marinatos-onedealer.kosmocar.gr/
8D4FEBF6D06BD8E	8D4FB932FEA28EB	ΦΙΛΙΠΠΑΙΟΣ ΙΩΑΝΝΗΣ Α.Ε.	Kosmocar	https://filipaios-onedealer.kosmocar.gr	https://filipaios-onedealer.kosmocar.gr/
8D4FEBF6D06BD8B	8D4FB93C24C096B	ΣΤΑΜΟΥΛΗΣ Α.Ε.	Kosmocar	https://stamoulis-onedealer.kosmocar.gr	https://stamoulis-onedealer.kosmocar.gr/
8D4FEBF6D06BD8A	8D4FB93F9B1577B	ΦΙΛΙΠΠΟΣ ΣΤΑΘΟΠΟΥΛΟΣ Α.Β.Ε.Ε.	Kosmocar	https://stathopoulos-onedealer.kosmocar.gr	https://stathopoulos-onedealer.kosmocar.gr/
8D4FEBF6D06BD78	8D4FB945401E2DB	ΑΦΑΙ Κ.ΒΑΚΑΛΟΠΟΥΛΟΥ Ο.Ε.	Kosmocar	https://vakalopoulos-onedealer.kosmocar.gr	https://vakalopoulos-onedealer.kosmocar.gr/
8D4FEBF6D06BD89	8D4FB9485552CCB	ΑΦΟΙ ΡΗΓΟΠΟΥΛΟΙ Α.Ε.	Kosmocar	https://rigopoulos-onedealer.kosmocar.gr	https://rigopoulos-onedealer.kosmocar.gr/
8D501AE96EBE030	8D4FB94A1B0F253	ΓΡΗΓΟΡΗΣ ΚΑΠΑΓΕΡΙΔΗΣ & ΣΙΑ Ο.Ε.	Kosmocar	https://kapageridis-onedealer.kosmocar.gr	https://kapageridis-onedealer.kosmocar.gr/
8D4FEBF6D06BD7A	8D4FB94BD282EAF	ΔΕΛΤΑ ΚΑΡ Α.Ε.	Kosmocar	https://deltakar-onedealer.kosmocar.gr	https://deltakar-onedealer.kosmocar.gr/
8D4FEBF6D06BD82	8D4FB94D124B3FD	ΚΟΥΤΟΥΜΑΝΟΥ ΚΑΙ ΣΙΑ Ο.Ε.	Kosmocar	https://koutoumanou-onedealer.kosmocar.gr	https://koutoumanou-onedealer.kosmocar.gr/

10.65.4.18:30015.ODSNLDM.@IDMS_OSM_SETTING

Code	Name	U_IDMS_Key	U_IDMS_Value
8D53734D6D23280	8D53734D6D23280	CalendarStartWorkingHour	7
8D53734EF854970	8D53734EF854970	CalendarEndWorkingHour	18
8D537353DAF5B90	8D537353DAF5B90	Image	https://azosm-demo.onedealer.com/EmailTemplates/AppointmentTemplate/mercedes/mercedes-benz-logo.png
8D53733A9E2DC30	8D53733A9E2DC30	company	OD
8D5373D58CF0C10	8D5373D58CF0C10	OsmDev	Server=10.65.4.18:30015;Current Schema=ODSNLDM;UserID=SYSTEM;Password=[redacted]
8D5414AA1CF35CC	8D5414AA2FB59BC	DefaultDB	ODSNLDM
8D5414A5A83B6FC	8D5414A5EDC89CC	CommonDB	IDMS_COMMONDM
8D5373D398BF700	8D5373D398BF700	OneDealer	Server=10.65.4.18:30015;Current Schema=IDMS_COMMONDM;UserID=SYSTEM;Password=[redacted]
8D5373CF50DA1F0	8D5373CF50DA1F0	DirectCommon	Server=10.65.4.18:30015;Current Schema=IDMS_COMMONDM;UserID=SYSTEM;Password=[redacted]
8D53733B43A90B0	8D53733B43A90B0	domain	DEMO
8D53733C0E38830	8D53733C0E38830	IDMS_VEHICLEVIEW	IDMS_VehicleView
8D5373374BDF8A0	8D5373374BDF8A0	username	manager@rc.com
8D537339D4CA960	8D537339D4CA960	password	123!
8D5373D890D82D0	8D5373D890D82D0	IncadeaSqlServer	Data Source=10.3.9.11,56001;Initial Catalog=PRODUCTIVE_MG;Integrated Security=False;User Id=sa;Password=[redacted];MultipleActiveResultSets=True
8D74B41FE433F0F	8D74B41FE433F0F	Terms	LSFS00378
8D537392BE22E20	8D537392BE22E20	storeLocatorCountry	GR

OneDealer DB
OSM configuration on IDMS_OSM_SETTING **table**

INTRODUCTION OF SYSTEM LANDSCAPE AND COMPONENTS

Operating Systems and Versioning

- **Windows Server :** 2012 R2 up to 2019 Standard and Datacenter
- **Linux Server:** SuSE Linux Enterprise Server (SLES) 11 SP3 up to 12 SP4
- **SAP Business One version for SAP HANA :** 9.3 PL04 up to 9.3 PL12
- **SAP HANA :** HANA Engine Platform 1.0 SPS12
- **SQL Server**: Standard 2014 up to 2019

ADDITIONAL SYSTEMS

ADDITIONAL SYSTEMS (SETUP AND CONFIGURATION)

Additional or External Systems

- **Lumira**
- **OMNI Channel Environments**
- **Interfacing**
- **SAP Business One DMS addons**

SECURITY AND LICENSING

ADDITIONAL SYSTEMS (SETUP AND CONFIGURATION)

Security

- **HTTPS communications**
- **SSL Certificates**
- **Private IP, VPN**
- **Encrypted connection strings**

ADDITIONAL SYSTEMS (SETUP AND CONFIGURATION)

Licensing

OS
- Windows Licenses
- RDS Licenses User CALs
- SLES Licenses for Support

SAP
- Business One Licenses (named users)
- HANA Platform license per 64 GBs

SQL Server

Lumira

OCR

DMS per user connected to automotive Cloud

Questions ?

OneDealer

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