JDA WMS 9.1

Evolution, Overview and Installation

Feb 5,2016

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jda.
Plan to deliver™

9.1 Evolution and Overview - Agenda

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- Evolution and Overview 8.3 – 9.1
- Demo 9.1
- Laptop Installation
- Additional Information
- Questions

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8.3+ Evolution

- Goal was to overcome complex configuration requirements and extensive training requirements.
- New Web UI – role based, persona driven
  - Configuration, Receiving, Shipping, Returns, Packing, **Inventory, Outbound Planner, Picking, Yard**
- Fully web enabled. "Most" MCS functionality has been ported
  - Some functionality still needs classic MCS client (example: Integrator and work orders / production)
  - Much improved screen layout. Reduced screen count from 470 to 130.
    - See MCS screen mapping to Web UI PDF on web enablement site

      MCS mapping to Web UI

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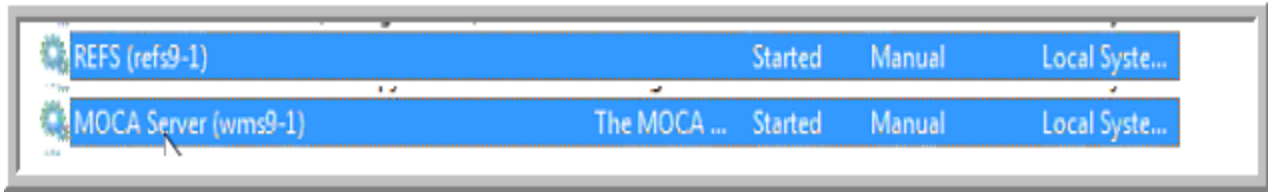
8.3+ Evolution

- RPWEB is installed in addition to the MOCA application server
  - 2 parts:
    - Web server (REFS).
    - The Stash - Client side code and libraries
  - Separate service is created for REFS.
    - Unix:
      - rp start
      - refs-server start
    - Windows:



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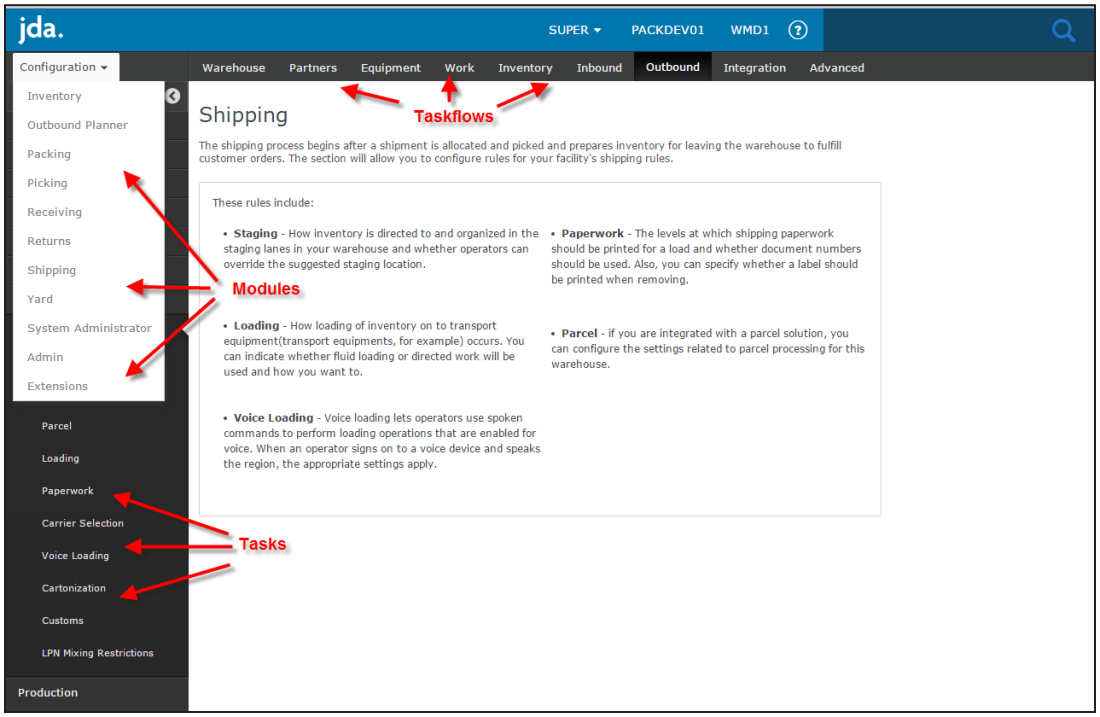
8.3+ Evolution

> UI – Navigation Terminology.

- **Modules**: Product, persona or other logical grouping of Taskflows.
- **Taskflows**: Group of tasks
- **Tasks**: Single application within a taskflow



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8.3+ Evolution

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- Location Types
  - Groups locations and contains properties that control behavior of that type
  - Shipping Door, Receiving Door, Shipping Staging, Receiving Staging, Storage, Yard, etc.

- Zones
  - **Pick, Storage, Movement**, Work, Count
    - Unique group of locations used rather than areas
    - Essentially replace the functionality of areas
    - Zones are assigned to the storage/allocation search paths rather then areas

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8.3+ Evolution

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> Area

- Far less significant. Functionally very limited. Represents locations that share the same **physical** boundaries in the warehouse.
- All attributes moved to zones and location type. Previously 80+ columns now only a few
- Still used in some cases, i.e. host transactions

table_name	column_name	lngdsc
aremst	arecod	Area
aremst	wh_id	Warehouse ID
aremst	bldg_id	Building ID
aremst	lost_loc	Lost location
aremst	u_version	Version
aremst	moddte	Date Last Modified
aremst	mod_usr_id	Last Modified By
aremst	ins_dt	Inserted Date
aremst	last_upd_dt	Last Updated Date
aremst	ins_user_id	Inserted User
aremst	last_upd_user_id	Last Updated User
aremst	logic_flg	

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8.3+ Evolution

- Waving
  - No more shipment planning
  - Everything is waved. No more shipment allocation operations
- Allocation
  - Refactored and streamlined
  - See Webinar presentation - PMG Presents - Introducing Streamlined Allocation for JDA Warehouse Management.

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8.3+ Evolution

- Terminology changes (pre 8.3 to present)
  - Carrier move = Load
  - Load number, subload, detail = LPN, sub-LPN, detail-LPN
  - Master Receipt = Inbound Shipment
  - Receipt = Planned Inbound Order
  - Purchase Order = Inbound Order
  - Order = Outbound Order
  - Asset = Handling Unit
  - Trailer = Transportation equipment
  - More. See https://confluence.jda.com/display/DEV/SCE+Terminology

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8.3+ Evolution

- No more DDA or MCS configurations
  - Page Builder intended to replace. Not fully implemented in 9.1
  - No modifications to the UI can be done by consulting services
- Tracing
  - Ctrl-shift L or Ctrl-shift S (short cut)
  - Allow auto download in rpweb.xml
    - **<allowLogfileDownload>true</allowLogfileDownload>**
  - JDAlearn: 7574: WMS: Tracing and Troubleshooting Tools Curriculum v9.0

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9.1 Demo

DEMO

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9.1 Laptop Installation - Software

- Download the latest GA or Alpha release of the WMS server and RPWEB server.
  - \\wifs\dfs\Releases\GA
  - \\wifs\dfs\Releases\Alpha

- Request a SQL Server 2014 license and download the SQL Server 2014 installer. Brandon Rapose manages this page, he will forward it to help desk for acquiring the license.
  - http://teams.jda.com/sites/gss/GSSInfrastructure/Lists/Microsoft%20Tools/AllItems.aspx

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9.1 Laptop Installation - Software

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> Make sure Prerequisite software is installed

- Microsoft .NET Framework 3.5
- ActiveState ActivePerl 5.22 or later (32-bit)
  - (**http://www.activestate.com/activeperl/downloads**), or Strawberry Perl 5.22 or later (32-bit) (**http://strawberryperl.com/**)
- Java SE Development Kit 8 (64-bit) with update 60 or later; available from the Oracle Technology Network (**http://www.oracle.com/technetwork/java**)

> Install SQL Server 2014

- If the install image is in an .iso format it can be unzipped or mounted to a virtual drive.
- http://social.technet.microsoft.com/wiki/contents/articles/23878.installing-sql-server-2014-step-by-step-tutorial.aspx

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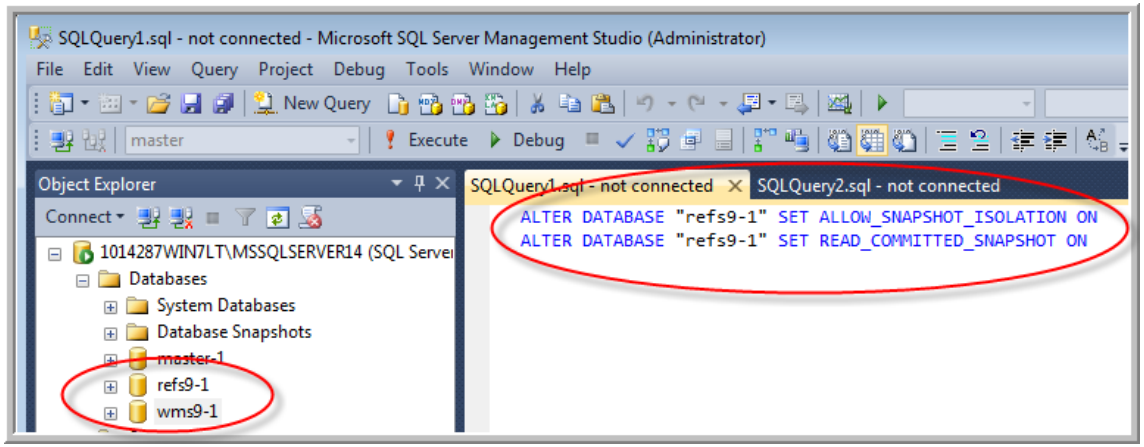
9.1 Laptop installation – Database

> Create databases in SQL Server

- Create a database for REFS and WMS. Tip: Use the corresponding BA database for the version you are installing for WMS. https://confluence.jda.com/display/wms/BA+Databases
- Must run in READ_COMMITTED_SNAPSHOT and ALLOW_SNAPSHOT_ISOLATION modes
  - ALTER DATABASE "refs9-1" SET ALLOW_SNAPSHOT_ISOLATION ON
  - ALTER DATABASE "refs9-1" SET READ_COMMITTED_SNAPSHOT ON



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9.1 Laptop installation – Servers

- Install Application Server (9.1.0.x\Server\windows\setup.exe)
  - Page 72 in the Warehouse Management 9.1.0.x Installation Guide found in the documentation directory of the server install.

- Install the Portal Server (9.1.0.x\RPWeb\rpweb.iss\setup.exe)
  - Page 166 in the Warehouse Management 9.1.0.x Installation Guide found in the documentation directory of the server install.

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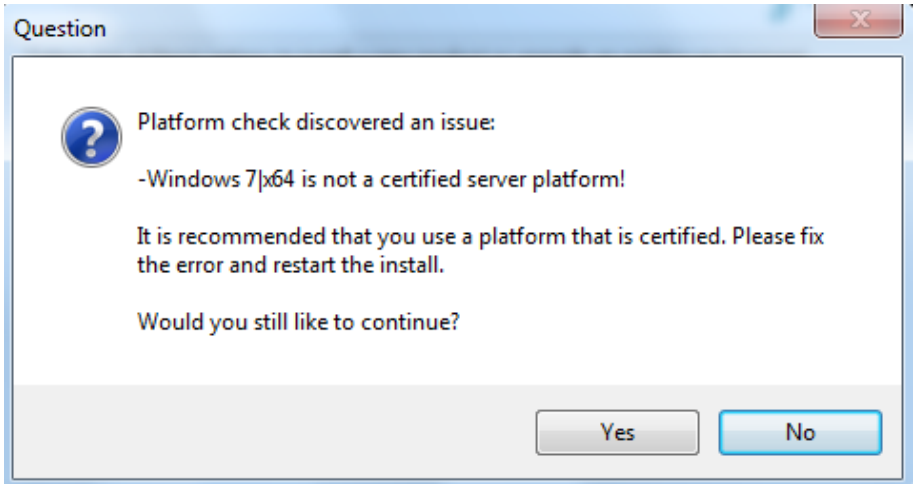
9.1 Laptop installation - tips

Application Server Install

- Ignore the warning when installing application server on Windows 7



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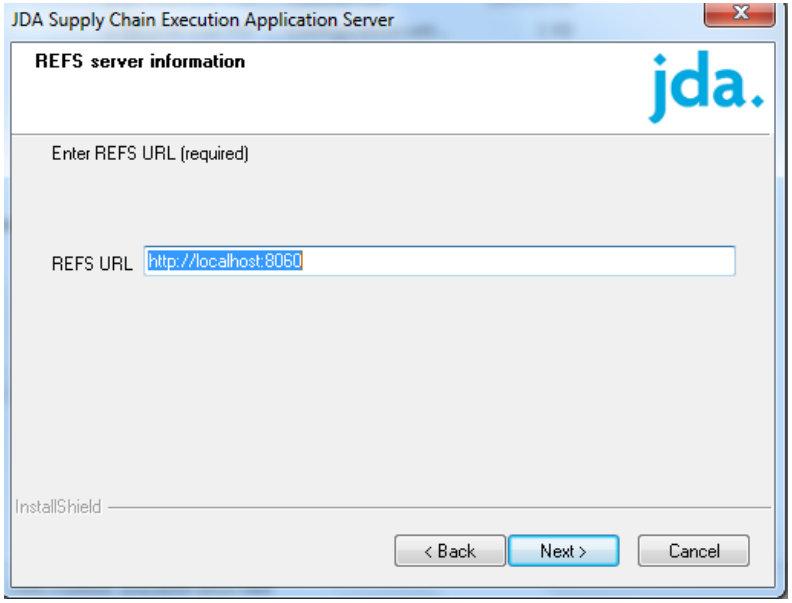
9.1 Laptop installation - tips

Application Server Install

- The REFS URL is the port you will use when installing the portal server (RPWEB). Remember this port for later use.



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9.1 Laptop installation - tips

Application Server Install

- When prompted for service logon credentials leave all entries blank

- Use database user authentication and ‘sa’ login for ease of setup

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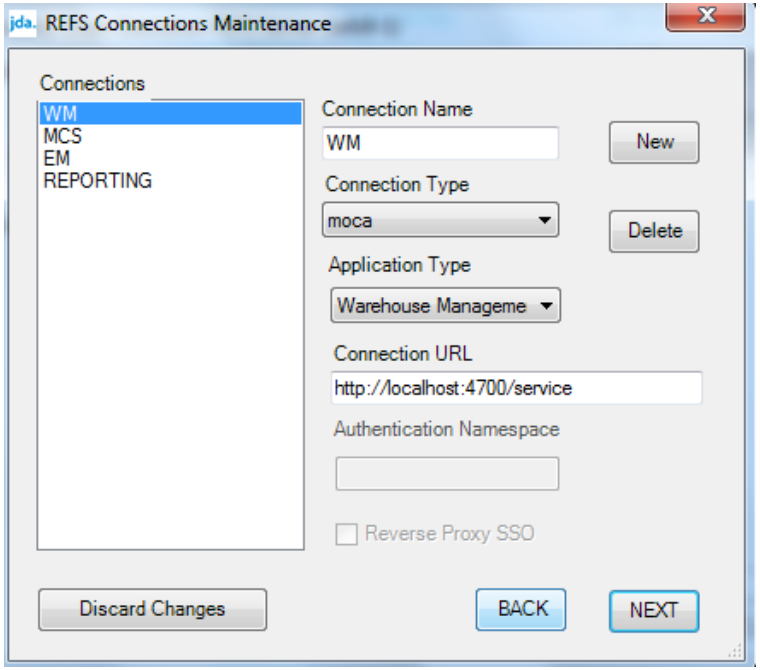
9.1 Laptop installation - tips

Portal Server Install

- When creating REFS connections make sure and create one for MCS. Also create one for EMS and Reporting if you installed these components during the application server install



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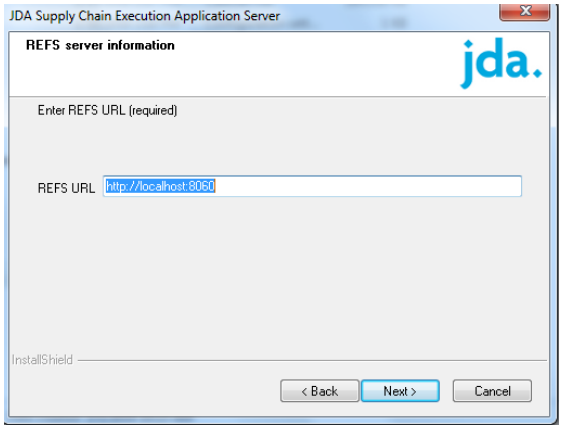
9.1 Laptop installation - tips

- To connect to the instance use the REFS URL address you created during the application server install (and found in the registry) using a browser.




```
[SERVER]
rpweb-url=http://localhost:8060
url=http://localhost:4700/service
app-library=%DCSDIR%\bin\dcsmsi.dll
rmi-port=4701
port=4700
prod-dirs=%LESDIR%;%LESWEBDIR%;%DCSDIR%;%EMSDIR%;%MTFDIR%;%SALDIR%;%RPUXDIR%;%MCSDIR%;%SLDI
;%REPORTINGDIR%
memory-file=%LESDIR%\data\commands.mem
```

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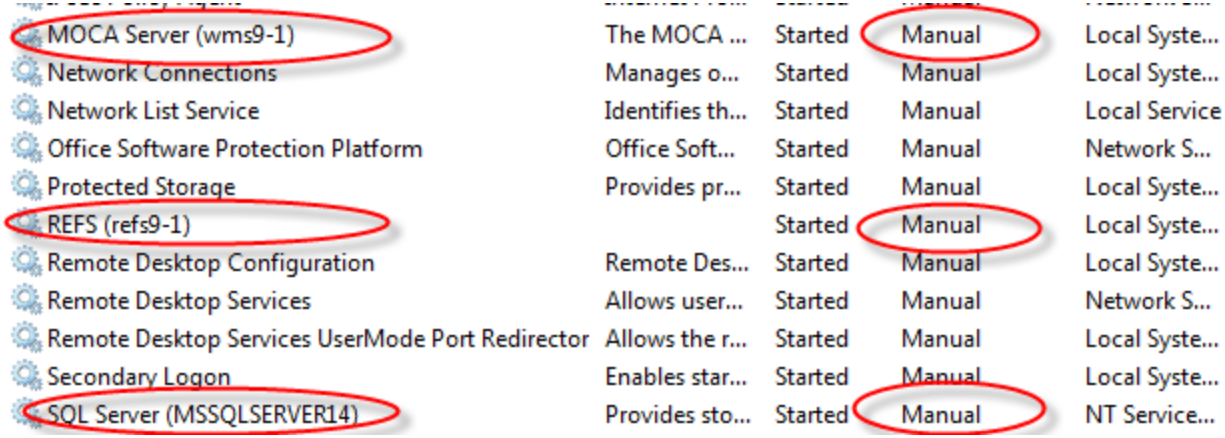
9.1 Laptop installation - tips

- Set services to manual start. Start them only when you want to use the instance.
  - MOCA, REFS, SQL Server



MOCA Server (wms9-1)	The MOCA ...	Started	Manual	Local Syste...
Network Connections	Manages o...	Started	Manual	Local Syste...
Network List Service	Identifies th...	Started	Manual	Local Service
Office Software Protection Platform	Office Soft...	Started	Manual	Network S...
Protected Storage	Provides pr...	Started	Manual	Local Syste...
REFS (refs9-1)		Started	Manual	Local Syste...
Remote Desktop Configuration	Remote Des...	Started	Manual	Local Syste...
Remote Desktop Services	Allows user...	Started	Manual	Network S...
Remote Desktop Services UserMode Port Redirector	Allows the r...	Started	Manual	Local Syste...
Secondary Logon	Enables star...	Started	Manual	Local Syste...
SQL Server (MSSQLSERVER14)	Provides sto...	Started	Manual	NT Service...

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9.1 Additional Information

- Web enablement guide
  - https://confluence.jda.com/display/wms/WMS+-+WebUI+Enablement+Guide
- Show and tell clips
  - https://confluence.jda.com/pages/viewpage.action?pageId=147163280
- Webinars – PMG Presents
  - http://jnet.jda.corp.local/DocCenter/NPD_PMG/PMGPresents/Webinar%20Recordings%20and%20Materials/Forms/AllItems.aspx
    - **PMG Presents - What's New in JDA Warehouse Management 9.1.0.0**

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9.1 Additional Information

- Documentation (developer, integration, configuration guides, release notes, other)
  - http://jnet.jda.com/DocCenter/ProductDocs/Product%20Pages1/Product%20Pages/JDA%20Warehouse%20Management.aspx

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9.1 Additional Information

- JDAlearn – Many good courses. 9.1 content coming soon
  - 7878: WMS: Warehouse Logistics Concepts Curriculum v9.0
  - 7891: WMS: Outbound Process Concepts Curriculum v9.0
  - 7887: WMS: Inventory Management Concepts Curriculum v9.0
  - 7889: WMS: Inbound Process Concepts Curriculum v9.0
  - 7574: WMS: Tracing and Troubleshooting Tools Curriculum v9.0

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9.1 JLabs

- JLabs instance available soon

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9.1 Thank You

Thank you – Questions?

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