



<https://www.google.com/url?sa=t&rd=kw&esrc=s&source=web&cd=&id=rja&uact=8&ved=2ahUKEwi8hKnk6ouGAXvVwIxAlHaxlCrgQtwJ6BAgOEAI&url=https://www.youtube.com/watch?v=3h70GReimay&usq=AOWaw0fyndyoCXDXBbVfD-4MbG&opi=89973449>





VS





VS



Welcome to the 2023
JD Edwards Nordic
Conference

JD Edwards Nordic Conference

Tuesday, 14 May, 2024
Hotel Jacy'z, Gothenburg, Sweden

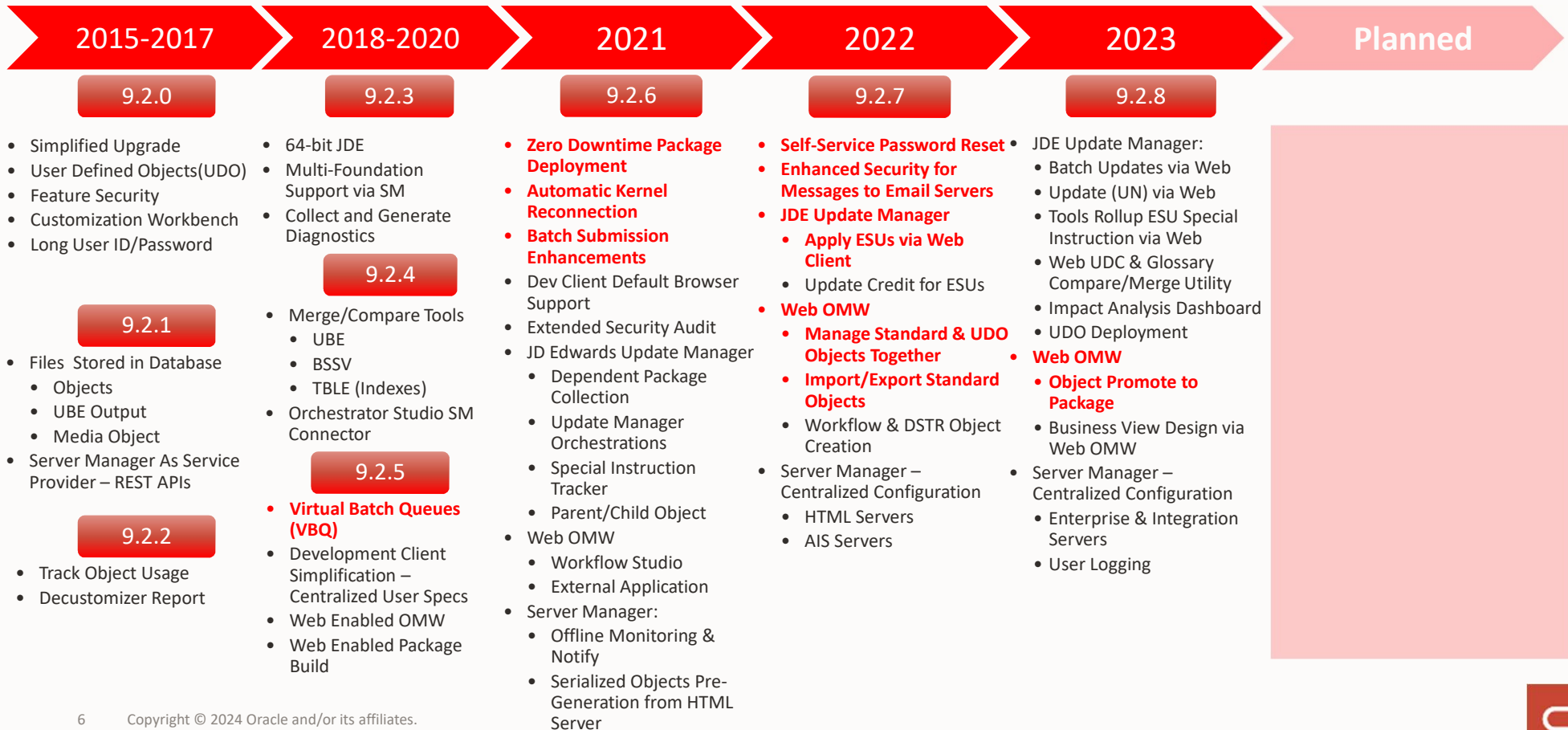
It's the end of CNC as we know it (and I feel fine)

Christian Fronteras (CTO and 007)
Redfaire International
cfronteras@redfaire.com



JD Edwards EnterpriseOne System Administration

Continuous Stream of Enhancements





R.I.P.

CNC ADMINISTRATOR 2001-2023

MUCH LOVED BUT NOT MISSED

Zero Downtime Deployment for Applications



Release 22
Tools 9.2.6.0

Business Problem:

Support Customers Uptime Requirements When Deploying Application Updates

Deploy Application Updates without Complicated Architecture Design or System/End-User Downtime

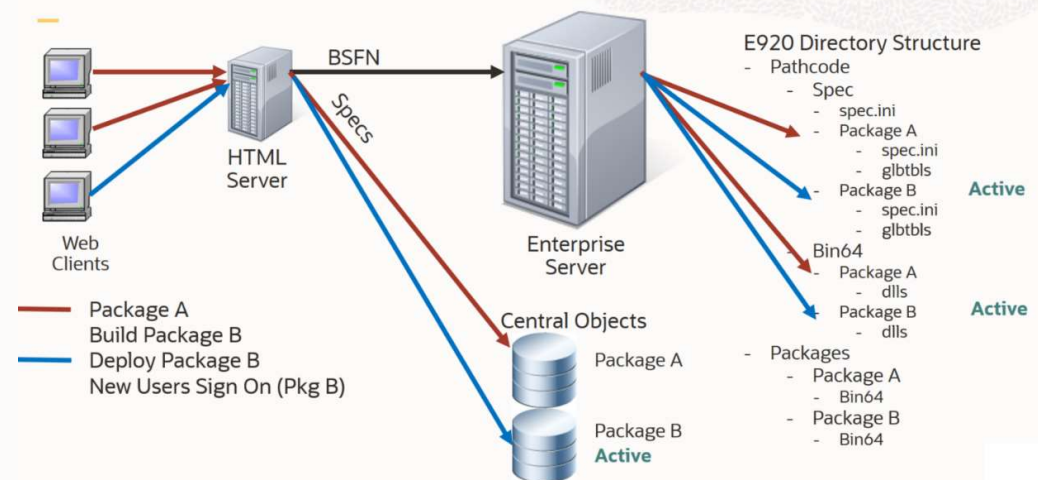
Value:

Administrators Able to Deploy Application Updates & Packages Anytime

No System Downtime Required to Deploy Application Updates

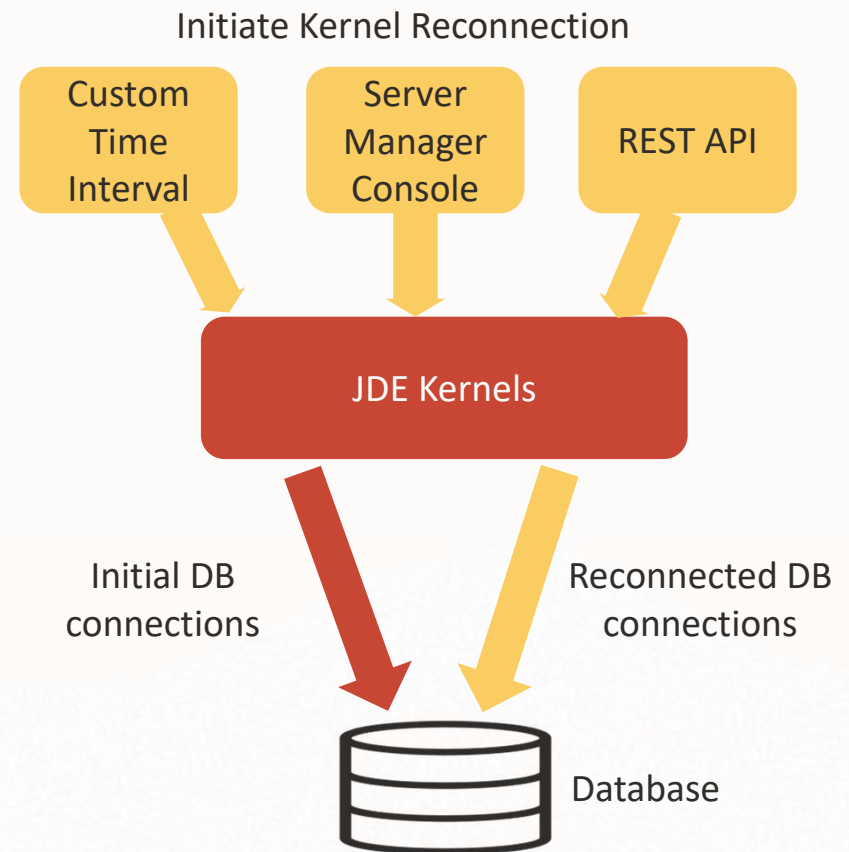
Key Capabilities:

- Deploy Full Packages Without Obtaining a “Lock” On Services
- Alter System Kernels to Accommodate Multiple Packages
- End-User Sessions Naturally Drain Off Existing Package & Migrate to New Package



Automatic Kernel Reconnection

- Improves system continuity and data integrity
- Graceful zero-downtime automated refresh of kernel states
- Ensures healthy kernel states
- Quicker connection re-establishment during disruptions
- Eliminates overhead of manual kernel lifecycle management
- Kernel reconnection based on user-defined time interval or initiated through Server manager console or REST API





R.I.P.

SERVICE DESK 20010-2023

NEVER FORGOTTEN

Self-Service Password Reset

Business Problem:

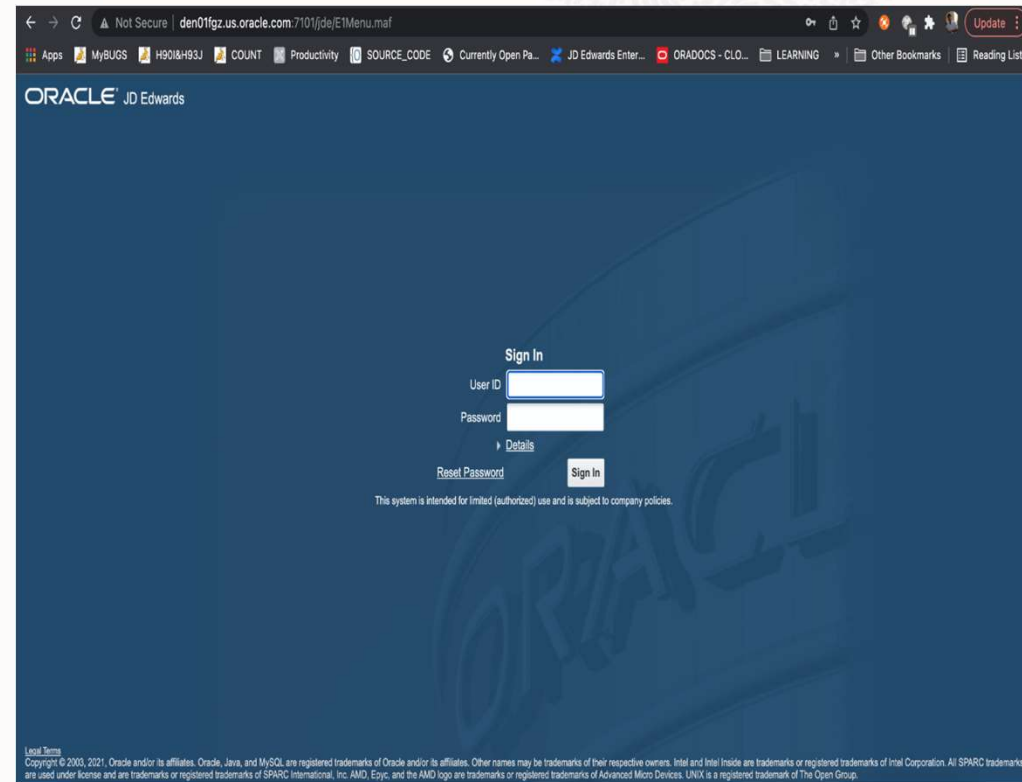
- JDE users frequently reach to the system administrators to reset their passwords when they expire
- Time consuming, repetitive and low-value add activity for system administrator

Value:

- JDE users can gain immediate access to JDE without involvement of system administrator
- Eliminates impact on productivity for JDE users and system administrators
- Most frequently asked enhancement by system admin community

Key Capabilities:

- Provide ability for JDE users to reset JDE password through self-service
- Reset password only for their user id and not for other users and admin ids
- Password must comply to organization standards
- Reset Password on Login Page



Enhanced Security for JD Edwards EnterpriseOne Messages to Email Servers

Business Problem:

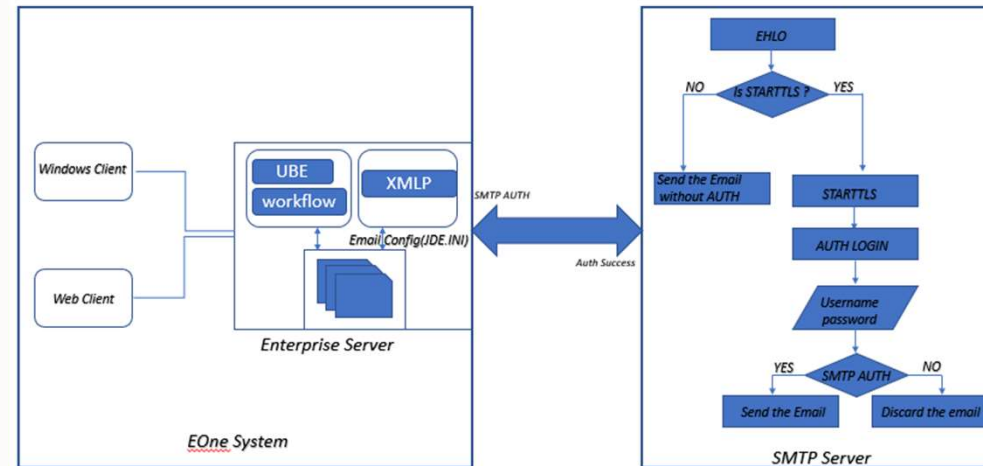
- Communication From EnterpriseOne to Email Servers Does Not Support Authentication (User or Password)
- Current Email Servers (Microsoft Exchange 365) REQUIRE Authentication User & Password
- Password Requires TLS/SSL Support
- Security Vulnerabilities if do not Supporting Latest TLS
- Currently Customers Forced to Provide Legacy SMTP Server to Support Just JD Edwards

Value:

- Customers Can Leverage Current Email Servers
- Secured Email Communications on SMTP Mail Servers Using TLS Protocol – Providing:
 - Data Encryption
 - Authentication
 - Integrity
- Avoid Spamming of Emails from JDE

How:

- JDE Support for TLSv1.2 Protocol for Email Communications
- Enable SMTP Authentication Sending Emails From JD Edwards





R.I.P.
CNC ADMINISTRATOR
SEE PLOT 1

Server Manager: Centralized Configurations of EnterpriseOne Servers

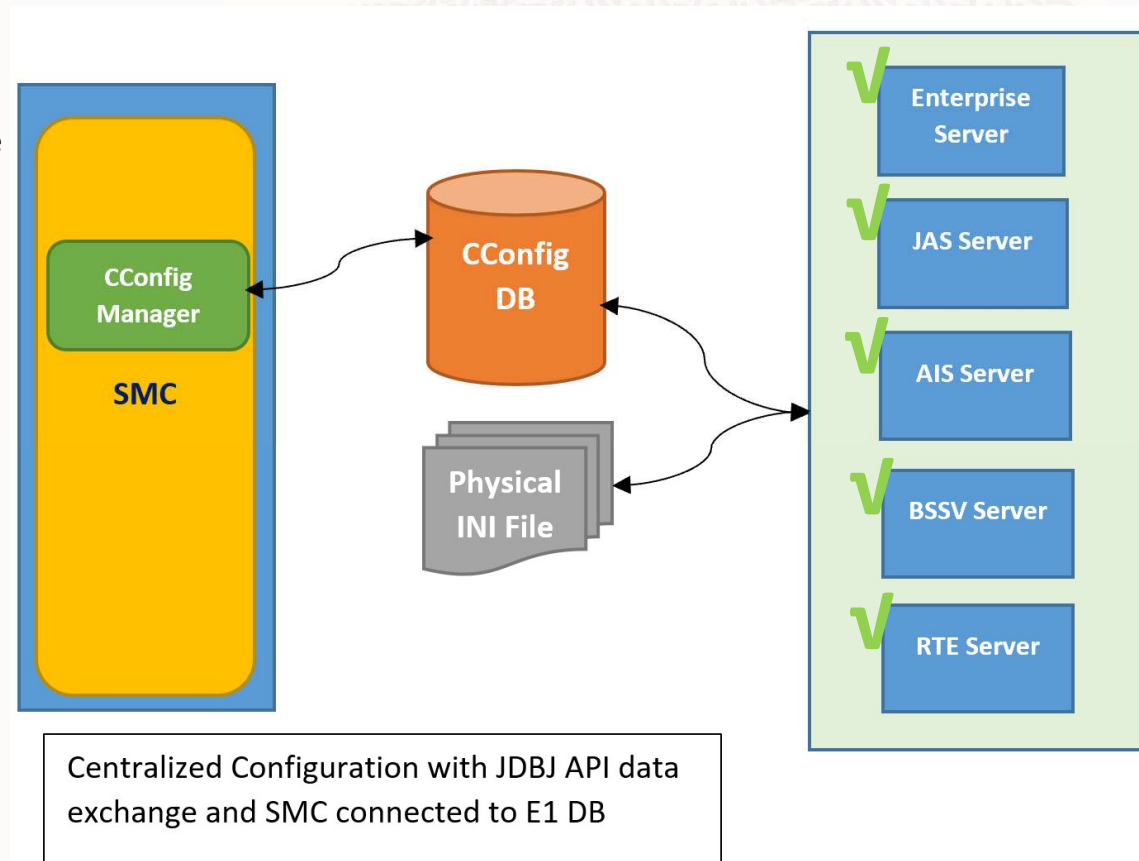
Release 24
Tools 9.2.8.0

Business Problem:

- Making configuration Changes Apply to Multiple EnterpriseOne Servers is Tedious & Error-prone
- Changes to Settings on Multiple EnterpriseOne Servers Needs Complex Navigation & Multiple Repetitive Steps

Value:

- Simple & Optimized Configuration Management
- Augments Elasticity with Easy & Automated Configuration Management for Newly Launched Instances
- Saves Time & Effort of System Administrators
- Prevents Business Disruption Due to Misconfigured Servers
- Eliminates Human Error





R.I.P.

SERVER MANAGER 20010-2024

"SEE

I TOLD YOU I WAS SICK!"

Server Manager: Offline Monitoring and Notification

Release 22
Tools 9.2.6.0

Business Problem:

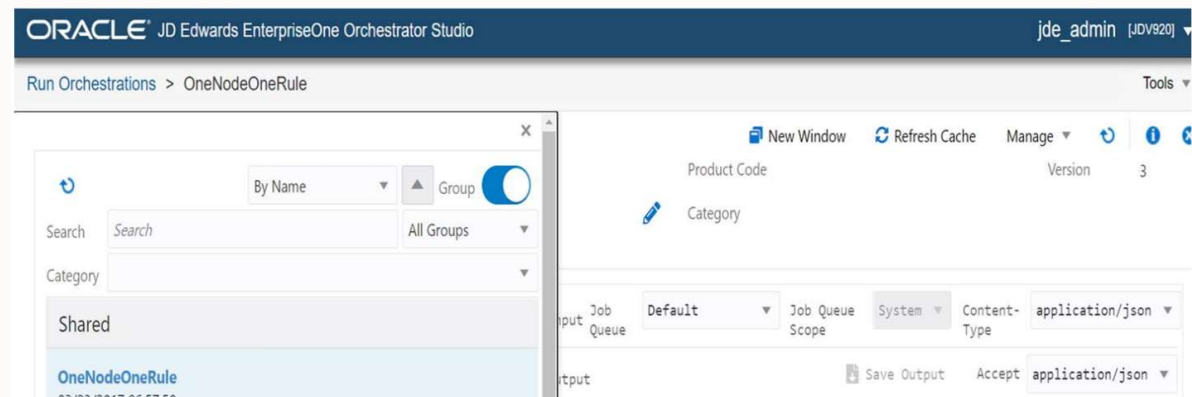
- Server Manager Orchestrations Requires Running AIS Server
- AIS Server Requires Running HTML Server
- HTML Server Requires Running Enterprise Server
- Enterprise Server Requires Running Database Server

Value:

- Helps Automating System Admin Tasks via Admin Orchestrations
- Aids in Ensuring Business Continuity & System Stability
- Reduces Customers Spend & Manual Effort in Monitoring EnterpriseOne Servers
- Leverages Admin Orchestrations for Ensuring Proactive Monitoring & Notifications

How:

- New “Admin” Orchestration Type
- Inject Orchestrations Directly into Server Manager



R.I.P.

OBJECT CONFIGURATION MANAGEMENT

2001 - 2023

WE'RE GOING TO BE A BIT LOST WITHOUT OCM

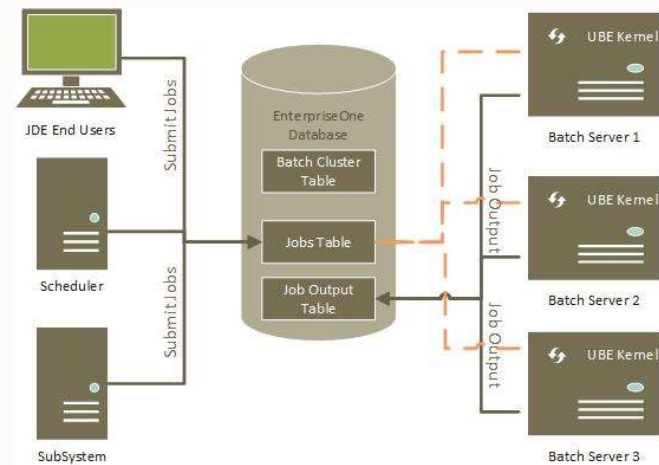
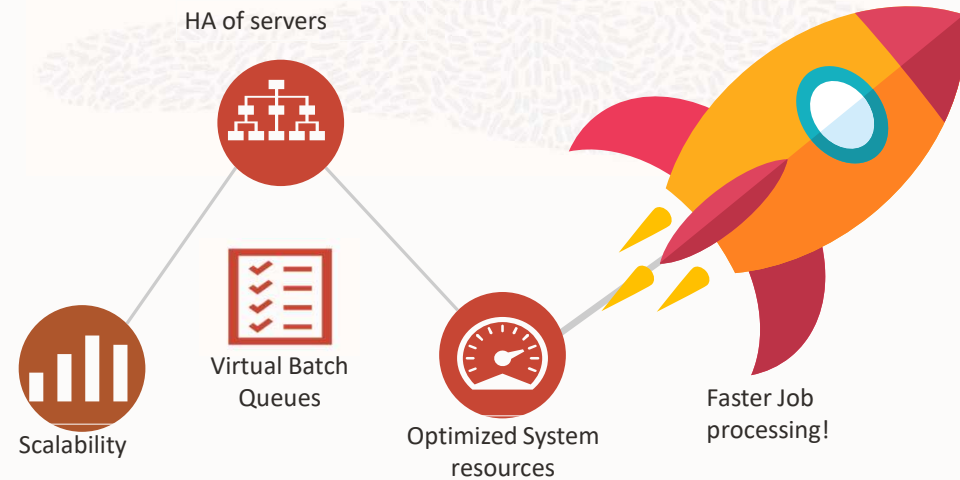
Virtual Batch Queue (VBQ)

How:

- By enabling Virtual Queues for batch submission and execution

Business Value:

- Elastic Batch Queue Server Scaling
- Improved scalability, flexibility, and availability of JDE UBE batches
- Expedites the processing of batch jobs
- Virtual batch clusters for ensuring High Availability of servers
- Maximize the system resources by automatically combining batch resource across multiple instances
- High accessibility for report outputs via a centralized repository



Batch Submission Enhancements

Job Termination

- New 'T' status for termination.
- User who terminated is:
 - logged in QK log
 - added to Job Execution Detail table
- Execution Detail 'End Time' is updated to the time the job was terminated.

Bypass Printer Selection option

- New user profile option to allow bypassing of printer selection screen, always using the default configuration for the report and version by the user or role, environment, and server.

Default Queue Configurability

- New app to allow configuration of Job Queue for a report and version by user or role, environment, and server.
- No more queues need hardcoding in specs!

Default UBE Logging Configurability

- New app to allow configuration of JDE and JDEDebug logging for a report and version by user or role, environment, and server.



Batch Runtime Enhancements

UBE Runtime Information

- BSFN GetRuntimeInfo
- System API: **ubeReport_GetRuntimeInfo()**

Information Includes:

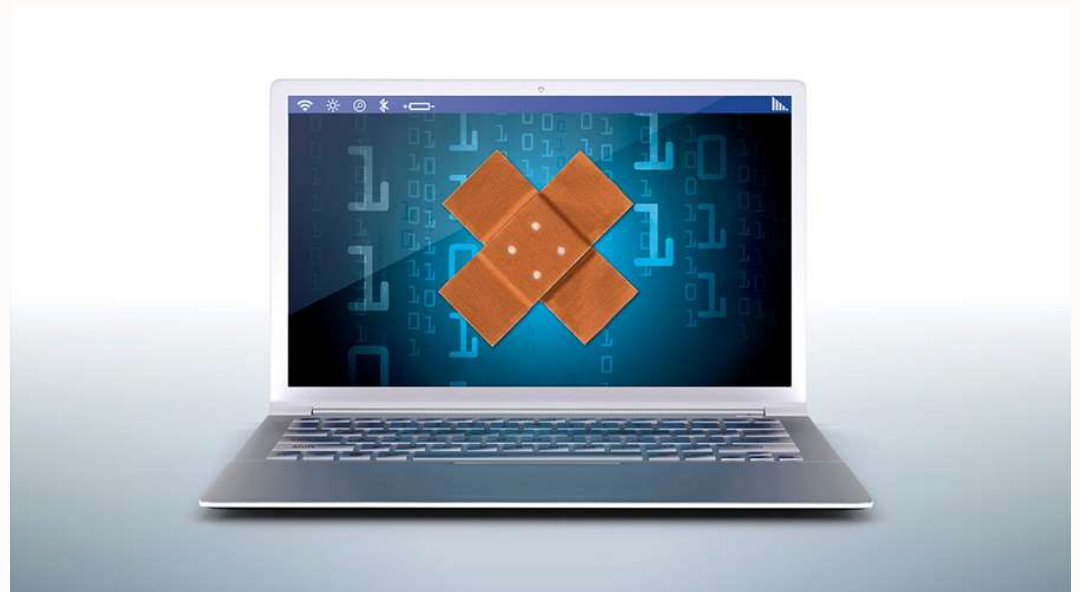
- User, Report, Version, Environment
- Job Queue, Printer Name
- Job Number ++
- PDF/CSV/OSA filename
- Hostname (Exe host and Actual host)
- Start runtime as UTIME in UTC

The screenshot shows a web page titled "Report Design Aid Guide" with a breadcrumb trail: "Applications / JD Edwards / Reporting and Analytics / 9.2.x". The page content is organized into sections: "32 Defining Batch Error Messages" (with sub-sections "Understanding Batch Error Messaging" and "Setting Up Batch Error Messages"), "33 Retrieving EnterpriseOne Report Runtime System Information using an API" (highlighted with a red box), and "34 Glossary" (with sub-sections "business function" and "edit rule"). The highlighted section "33" includes a link to "Understanding EnterpriseOne Report Runtime System Information Using an API", the business function "BSFN Data Structure D986110R", and the system API. To the right of the table of contents, the article "Understanding EnterpriseOne Report Runtime System Information Using an API" is displayed, starting with the text: "Effective with JD Edwards EnterpriseOne Tools Release 9.2.7, an API and a related system function are provided to retrieve useful information of batch jobs from the virtual job batch queue. Examples of the information that can be retrieved by the API include the batch job number, hostname (virtual and real), queue, and the report name and version." Navigation arrows and a thumbs-up icon are visible on the right side of the article preview.



Predictive Patching

- Maintain Constant Current
- Automate Software Update
- Understand Impact to System



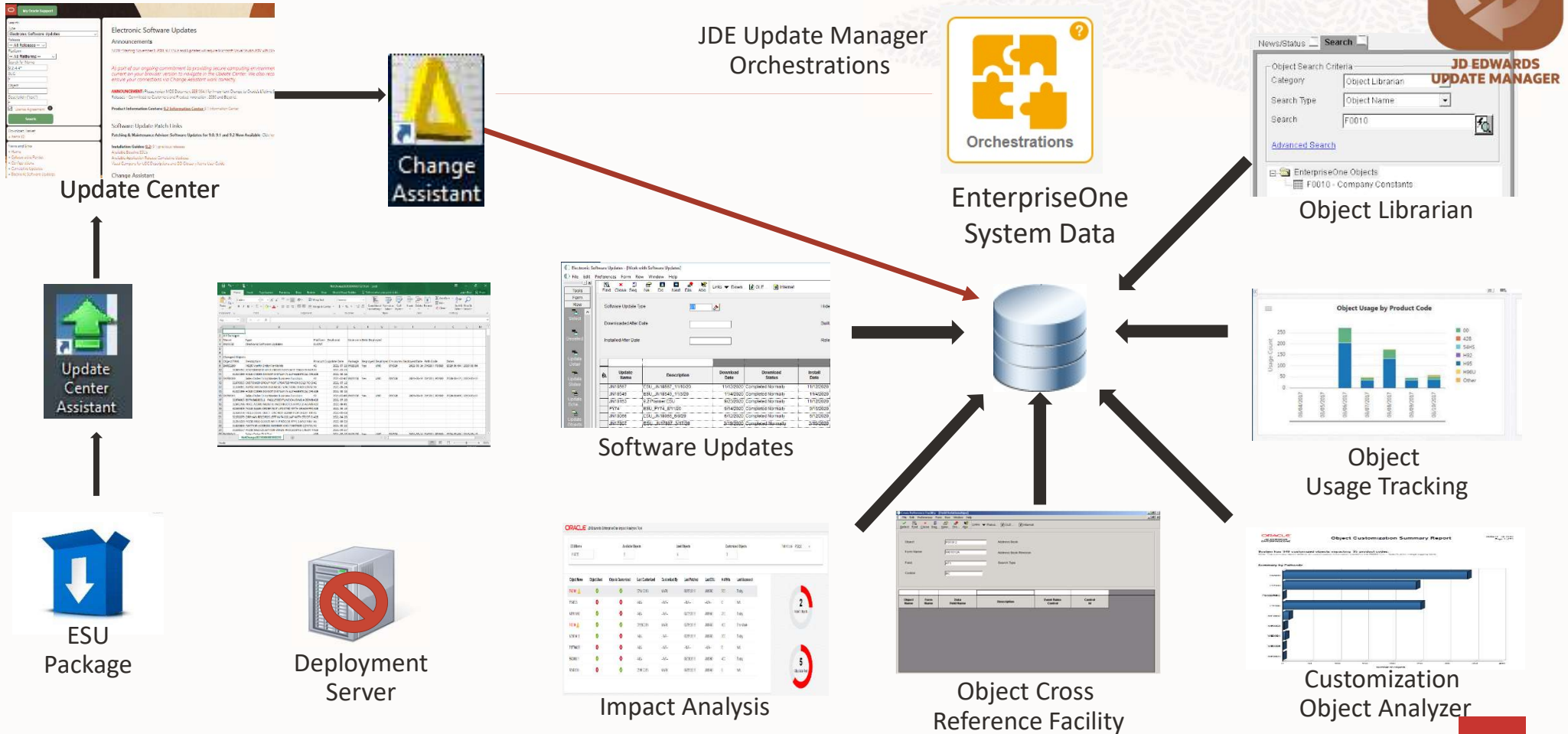
R.I.P.

DEPLOYMENT SERVER

2001 - 2023

WE'RE GOING TO BE A BIT LOST WITHOUT OCM

JDE Update Manager for Applications



JDE Update Manager: Apply ESUs via Web Client



Release 23
Tools 9.2.7.0

Value:

- Trim Patch Life-Cycle Time to Production
- Smaller Patch Deliverable – Removal All Windows Bits
- Windows Deployment Server Task Removal
- Patch Insight Analysis vs Customer Data

Key Capabilities:

- Web Client Interface for Software Updates
 - Software Update App UI (Orchestration Capable) Web Enabled
 - Relocate Patch Application Logic to Enterprise Server
 - Extract Patch Deliverable on Enterprise or Web Server
 - Load Change Tables (Repository)
 - Load OL Objects including specs.zip into Central Objects
 - ESU Support
- Leverage Internal Centralized Patch Repository
- Alternate Patch Deliverable to Multi-Platform (PAR) via Update Center Support

Work With Software Updates

Personal Form: (No Personalization) | Layout: Software Update Status | Query: All Records

Software Update Type: 01

Downloaded After Date: | Built After Date: |

Installed After Date: | Release Number: *

Web Deploy	Update Name	Description	Build Date	Download Date	Download Status
<input type="checkbox"/>	JN19157	ESU_JN19157_7/27/21	07/27/2021	05/12/2022	Completed Normal
<input checked="" type="checkbox"/>	JN19133	ESU_JN19133_7/13/21	07/13/2021	05/11/2022	Completed Normal
<input checked="" type="checkbox"/>	JN19037	ESU_JN19037_6/8/21	06/08/2021	05/12/2022	Completed Normal
<input checked="" type="checkbox"/>	JN19030	ESU_JN19030_6/1/21	06/02/2021	04/27/2022	Completed Normal
<input checked="" type="checkbox"/>	JN19020	ESU_JN19020_6/1/21	06/01/2021	04/28/2022	Completed Normal
<input checked="" type="checkbox"/>	JN17203	ESU_JN17203_8/6/19	08/06/2019	05/03/2022	Completed Normal
<input checked="" type="checkbox"/>	JN16299	ESU_JN16299_11/6/18	11/06/2018	05/12/2022	Completed Normal
<input type="checkbox"/>	JN19560	ESU_JN19560_2/22/22	02/22/2022	03/11/2022	Completed Normal
<input type="checkbox"/>	JN19548	ESU_JN19548_2/15/22	02/15/2022	03/11/2022	Completed Normal

Software Update Status

75% Update Status

- JN17203
- ALL
- DV920
 - DV920 46-Prepare for table conversion,1
 - DV920 60-Create Empty rec, Set Mrg Flg:
 - DV920 65-Mark Merged Obj in Patchcd Da



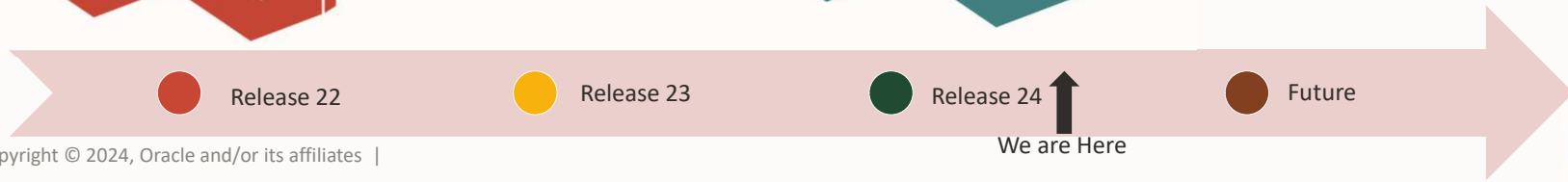
Roadmap: JDE Update Manager - Release 24

Release 24
Tools 9.2.8.0



JDE Update Manager Release 24 = 100% Automation Applying Tools & Application Patches

- Batch ESU via Web Client (Deploy) of Software Updates
- Update Support (with Translation Pack) Through Web Client Deployment
- Impact Analysis Dashboard
- UDC & Glossary Merge Utility
- ASI Replacement for Web Deployment
- Internal Translation Replacement Solution



JDE Update Manager: Impact Analysis Dashboard

Release 24
Tools 9.2.8.0

Business Problem:

Impact Analysis Relegated to Windows Workstations

Unable to Automate or Remote Application

Impact Analysis Missing Reference Links to Other Important Customer Data

Value:

Reduce Risk – Provide Direct Insight Into What a Patch Will Update In System

Patch Insight Analysis vs Additional Data

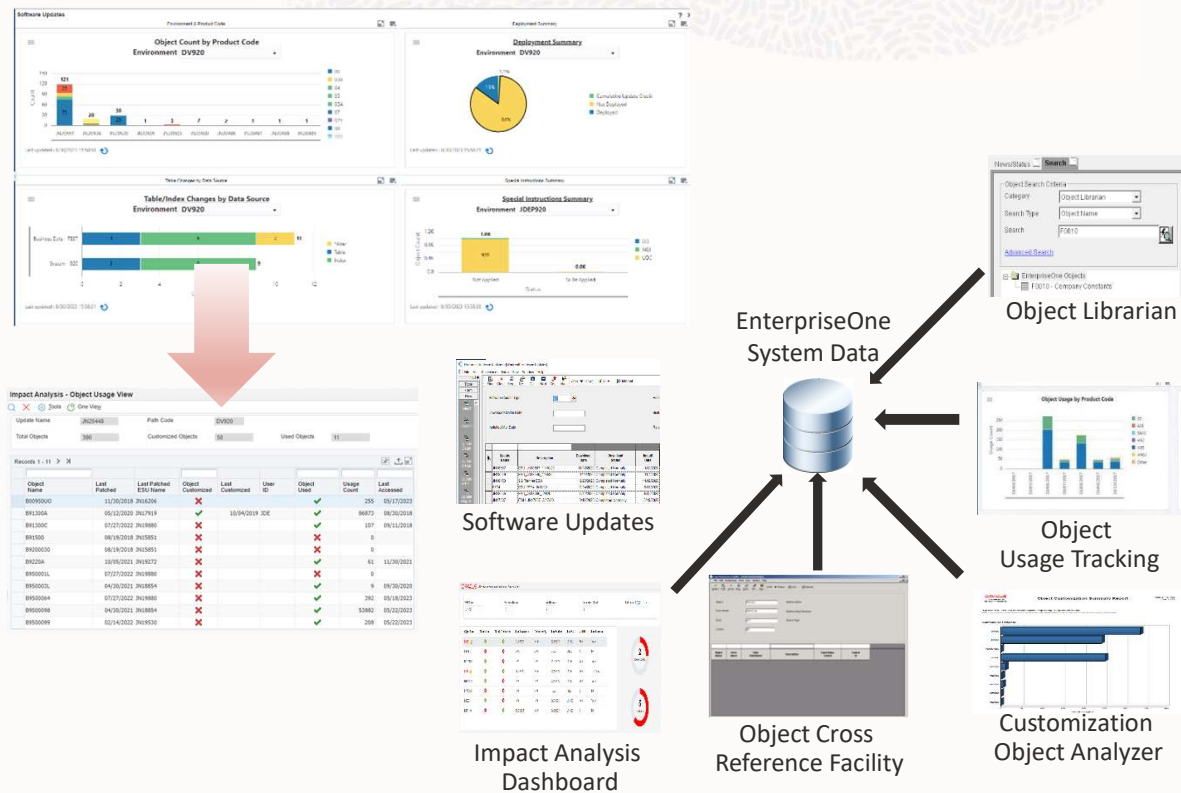
Trim Patch Life-Cycle Time to Production

Windows Client Task Removal

Key Capabilities:

- Web Application to Perform Impact Analysis
- Load Impact Analysis Data (XML) from Patches via Web Client/Automatically with Patch Download

Dashboard Highlight & Combine Customer Data



JDE Update Manager: ESU Table Conversions via Package Deployment

Release 23
Tools 9.2.7.0

Value:

Automates System Administrator Duties For Software Updates

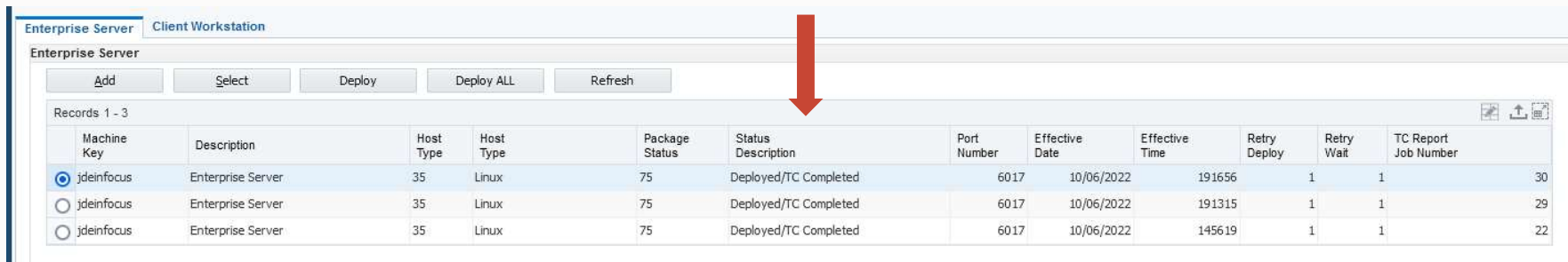
Key Capabilities:

ESUs Deliver Updated Table Specifications Require *ALTER Table Conversion to Get Physical Table in Synchronized Format

Previously Optioned to Execute at ESU Application Time

Now Moved to Package Deployment Time – Appropriate Time for Specifications & Physical Table to be Synchronized

New Statuses for Package Deployment



The screenshot shows the 'Enterprise Server' section of the JDE Update Manager interface. It includes a table with columns for Machine Key, Description, Host Type, Host Type, Package Status, Status Description, Port Number, Effective Date, Effective Time, Retry Deploy, Retry Wait, and TC Report Job Number. A red arrow points to the 'Status Description' column.

Machine Key	Description	Host Type	Host Type	Package Status	Status Description	Port Number	Effective Date	Effective Time	Retry Deploy	Retry Wait	TC Report Job Number
<input checked="" type="radio"/> jdeinfocus	Enterprise Server	35	Linux	75	Deployed/TC Completed	6017	10/06/2022	191656	1	1	30
<input type="radio"/> jdeinfocus	Enterprise Server	35	Linux	75	Deployed/TC Completed	6017	10/06/2022	191315	1	1	29
<input type="radio"/> jdeinfocus	Enterprise Server	35	Linux	75	Deployed/TC Completed	6017	10/06/2022	145619	1	1	22



JDE Update Manager: Parent/Child Object Relationship Tracking

Business Problem:

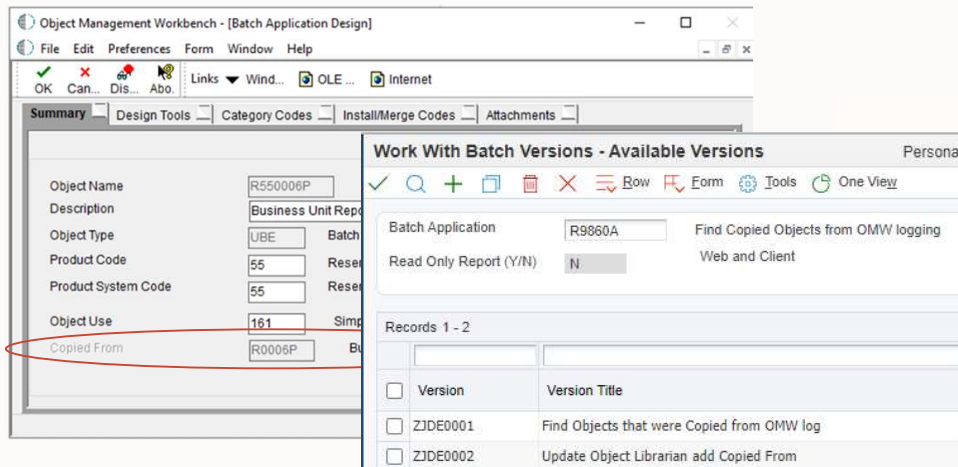
- Extensibility recommendation to COPY JDE objects to custom(er) system code 55-59
- Typically do not copy all dependent objects
- Custom objects do not get updated by ESUs
- To understand origination, manual tracking required

Value:

- Removes manual tracking requirement
- ESU Impact analysis via JDE Update Manager

How:

- Track Original Object an Object is Copied From
- UBE to Set Objects Found in OMW Logs of Copy Actions
- Field Open for Single Setting
- Change Assistant Reporting



The screenshot shows a 'Summary Analysis' report in a browser window. The table lists objects and their relationships. The 'Copied From' field is highlighted in red in the original image.

Object	Description	Product Code	Update Date	Package	Depic	Deployed	Environment	Deployed D	Path Code	Dates
F08J006	All Objects									
F08J01										
F08J53										
P0006	Business (00		9/21/2017	JN14472	Yes	UN5	DV920	5/14/2021	DV920 PD920	2018-02-08 2018-02-08
P0901	Accounts 00		10/3/2017	JN14472	Yes	JN16656	DV920 PC	9/14/2021	DV920 PD920	2019-01-03 2019-01-03
P09J01	Joint Vent 09J		9/21/2017	JN14472	Yes	JN16656	DV920 PC	9/14/2021	DV920 PD920	2019-01-03 2019-01-03
P09J10	Legal Enti 09J		12/18/2015	JN14472	Yes	UN5	DV920	5/14/2021	DV920 PD920	2018-09-28 2018-09-28
P09J30S	Joint Vent 09J		9/21/2017	JN14472	Yes	UN5	DV920	5/14/2021	DV920 PD920	2019-12-10 2018-02-08
P51006	Job Cost N 51		9/21/2017	JN14472	Yes	UN5	DV920	5/14/2021	DV920 PD920	2020-04-15 2018-08-23
P510121	Budget Or 51		9/21/2017	JN14472	Yes	UN5	DV920	5/14/2021	DV920 PD920	2019-07-04 2019-07-04





On-the-Glass Development

- Web & Citizen Development
- Fewer Development Client Workstations
- Development Without Borders
(aka System Admin)



Web Enabled Object Management Workbench (OMW)



Release 23
Tools 9.2.7.0

- Enabling Additional JDE OMW Operations Executed Over Web Client
 - Create Workflow & Data Structure Objects
 - Combined Spec & UDO Objects in Single Project
 - Import / Export Spec Objects & Projects

Business Value:

- Reduce Dependency on Windows Development Client for OMW Operations
- Reduces Time Spent in OMW Operations = Improved Administrator Performance
- Manage Spec & Non-Spec Based Objects via Web OMW
- Enables Orchestration of Admin Apps
- Provides Scheduling & Notifications of Admin Apps

Project	Project Description	Status	Status Description	Type
PKGBLD	Package build changes	21	Programming	02
PROJECT1	Project 1	26	QA Test/Review	01

Web OMW

- Add/Delete Projects
- Add/Remove Objects to/from Projects
- Remove Check-out
- Logging
- Move/Copy Objects between Projects
- Advance Project with Transfer Activity Rules



Web OMW: Object Promote to Package

Business Problem:

EVERYONE Wants Zero Downtime UPDATE Packages

Update Package Architecture Not Conducive to Zero DT

Spec Based Objects to Become “Usable” Requires Package Build, Deployment & Service Lock

Objects Created On-Glass, Expect Smoother & Immediate Transition (Enterprise Automation, Workflow)

Value:

Remediate Package Build Requests

Immediate Availability of Spec Objects **Without**

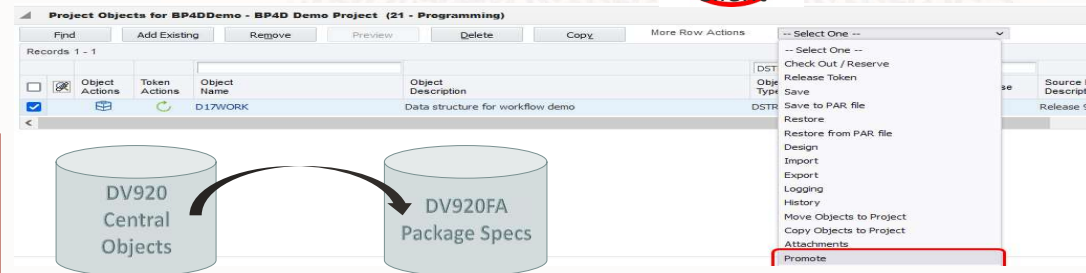
- Package Assembly
- Package Build
- Package Deploy
- Services Lock
- Cache Clear

Speed Development Time & Testing

Reduction in Required Development Client



Release 24
Tools 9.2.8.0



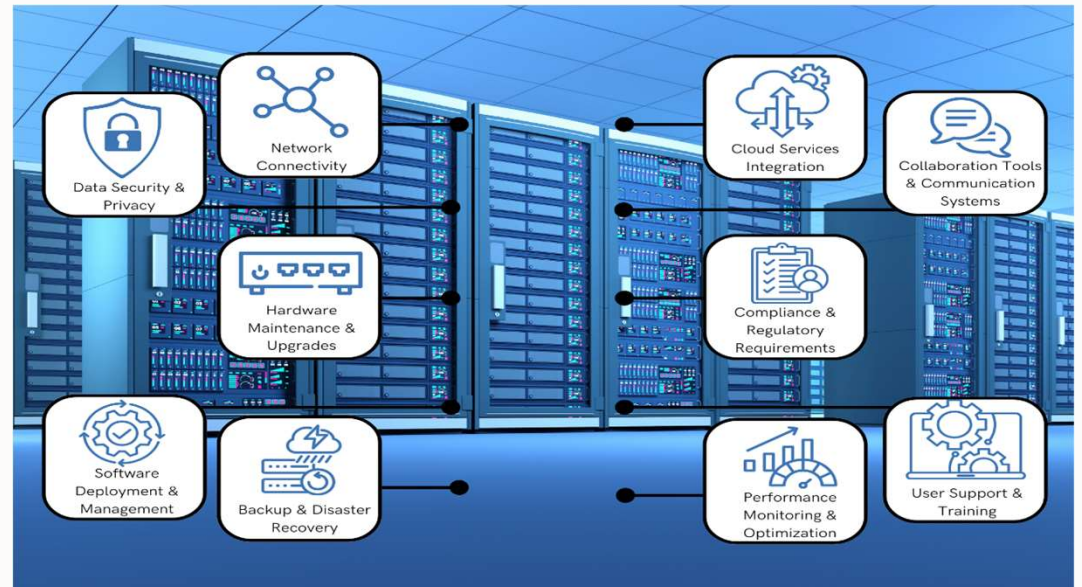
Web OMW Ability to Promote Spec Objects Directly → Active Package

- New Activity Action “Promote” for Spec-Only Objects
- Business View
- Data Structure (PO, Workflow, BSFN, ...)
- Applications (E1, External, ...)
- UBEs & Versions
- Direct Record Copy Central Objects to Active FULL Parent Package(s) for Pathcode of Project Status (ex: DV @ Status 21)
- Support Single Object or Entire Project (if Spec-Only Objects)
- Clear Serialized Object Cache for Only Updated Objects
- Clear UBE Temp Runtime Cache on Enterprise Server
- Zero Impact to Existing Users of Objects in Runtime Cache – Only to “New” Users of Object
- OMW Activity Rules Define Users/Role Allowed



Platform Certifications

- What's Coming
- What's Retiring
- Things We Can Hang Our Hat On





R.I.P.

FAT CLIENT

2001 - 2023

LONG LIVE THE SLIGHT OVERWEIGHT CLIENT

Development Client Simplification - Centralized Web Tier



PLANNED

Business Problem:

OUI Installers Unsupported, Insecure, Require Maintenance

99.79% of All JDE Customers Utilize Development Client

Development Client STILL Very Complicated to Setup with Bloated Resource Requirements

Local Web Dev Unconfigurable, Unable to Match Web Pack TR Levels

Value:

Single Administration of Centralized “Development” Web Server

50% Time Reduction in Dev Client Deployment & Lower MTRs (-2GB RAM; -2GB Disk)

- No Local WLS or WAS Installation
- No H4A (OUI) Installer Run for Dev Client

Further Simplifies Client Package Def, Build & Deploy

Snapshot (Multiple Install/Pathcode) Simplification

Standardized Developer Log Location

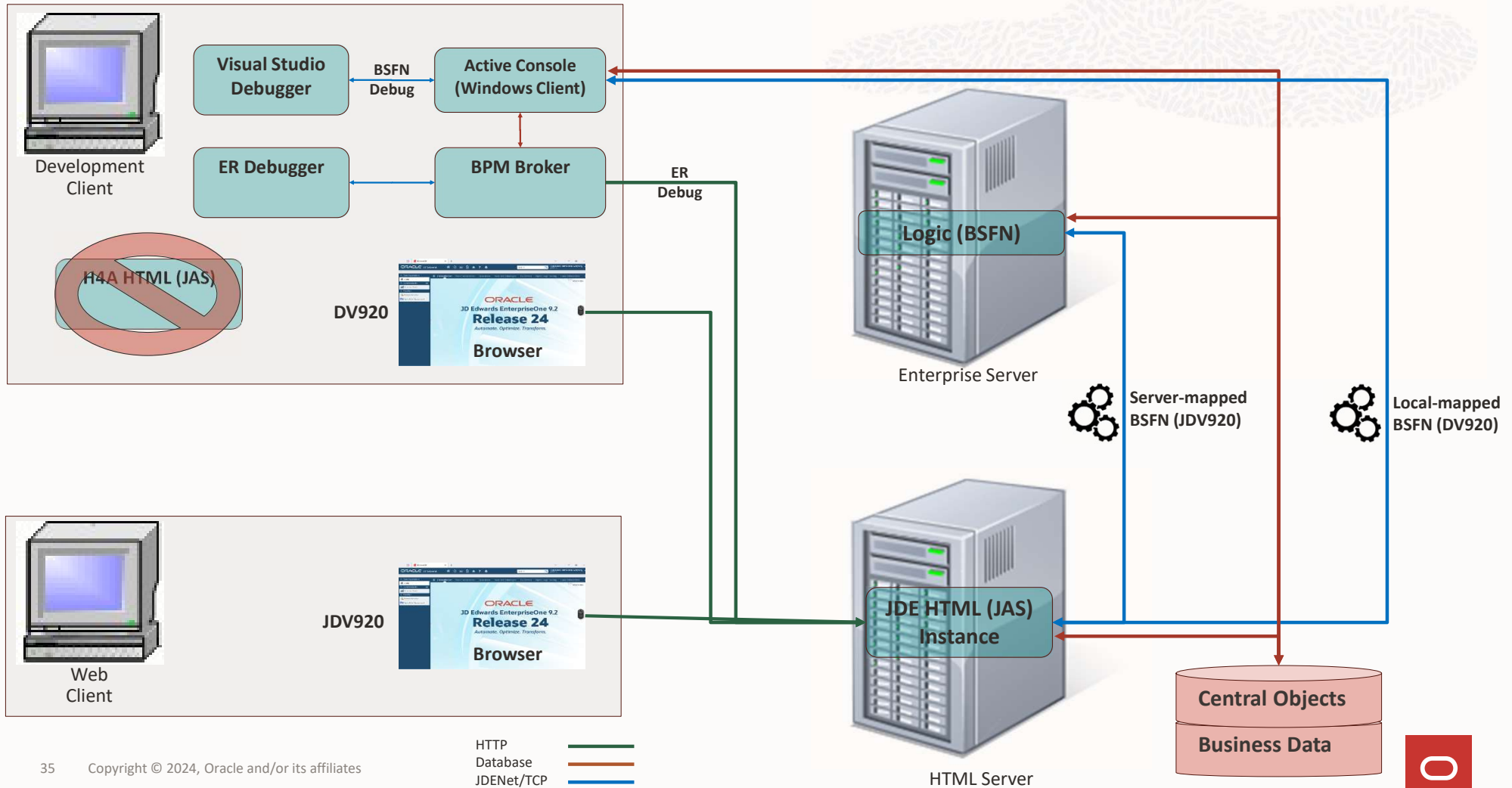
Key Capabilities:

- Remove Web-Tier (H4A) from Development Client
- Establish Centralized Web Server for Development Purposes
- Isolate Developer Sessions Leveraging:
 - User/Development Serialized Objects
 - BSFN Calls Back to LOCAL Workstation
 - User Logging via Server Manager (see SM Dev Interface Prj)
- Local UBE Launch Support
- Support Debugging at Every Level
 - Application (ER) on Centralized Web Server
 - Local BSFN
 - Local UBE
- Support Multiple Path-Codes on 1 Machine w/o Snapshot
- Internal Apps Dev Rollout Beta & Design Feedback
- Validate Dev Timing Impact via Performance Test Project



Development Client Simplification - Centralized Web Tier

PLANNED





R.I.P.

UPDATE PACKAGES
2001 - 2023

FROZEN IN TIME

Optimize Package Build Performance

Want to Take Advantage of Zero-Downtime Package Deployment ...

Really Want Zero-Downtime Package Deployment for Update Packages – Build Them Frequently ...

Like to Use Web OMW Promote ...

BUT ...

Full Packages Take HOURS to Build

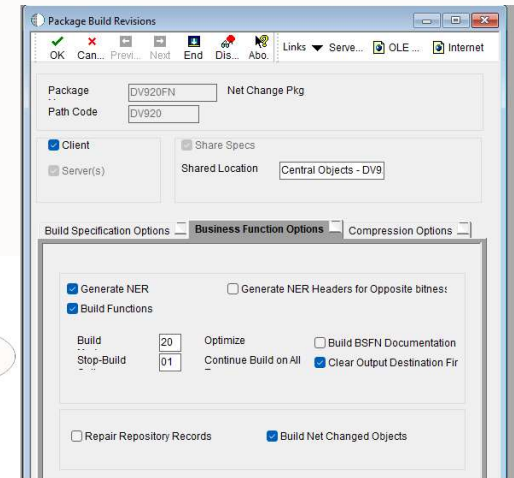
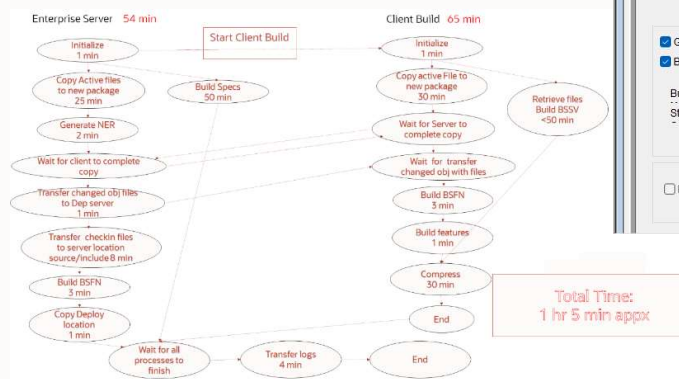
Update Packages Still Require Lock & Users Off System / Jobs Held

Have Business Functions Included to Deploy

Welcome

Optimized Full Package Build Performance

- ~83.1% Reduction in Overall FULL Package Build Time
- BusBuild Compiles Only Changed BSFN Since Last "Active" Full Package Build
- Encourage Full Package Over Update Packages



More From the Package Build-Shire....

Other Enhancements Coming Soon ...

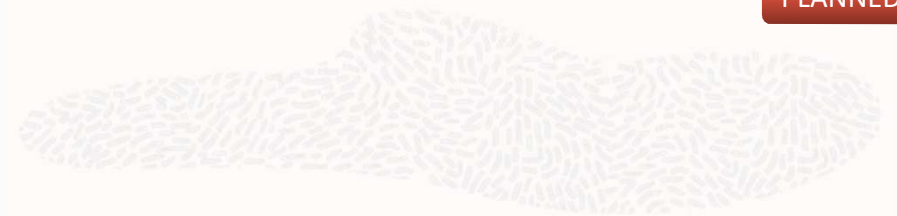
Update Package Assembly Default Current Active Full Package

Add Port Number and Parent Package to Report Output

Package Assembly – Select Multiple/Range of (Batch) Versions

Package Deployment Sample Orchestration

PLANNED



Quest Enhancement ID: 12085

Quest Enhancement ID: 10739

Quest Enhancement ID: 11974



LearnJDE.com

The screenshot shows the top navigation bar of the LearnJDE.com website. The logo "LEARNJDE" is on the left. The navigation menu includes "Applications", "Tools and Technology", and "Resources". A search icon is on the right. Below the navigation bar are three main content panels. The first panel, titled "Announcing JD Edwards EnterpriseOne Release 23 April Update", features a photo of a group of people working at a laptop. The second panel, titled "Learn from the experts at BLUEPRINT 4D May 8-11, 2023", features a photo of a man and a woman looking at a laptop. The third panel, titled "Premier Support for EnterpriseOne Extended through at least 2034!", features a graphic of hands holding a globe and a "Learn More" button. At the bottom of the page is a red navigation bar with icons and text for "Roadmap", "Announcements", "Product Catalog", and "JDE and SaaS".

LEARNJDE

Applications Tools and Technology Resources

Announcing JD Edwards EnterpriseOne **Release 23**
April Update

Learn from the experts at **BLUEPRINT 4D**
May 8-11, 2023
Join us at BLUEPRINT 4D, taking place in Dallas, TX!

Premier Support for EnterpriseOne Extended through at least **2034!**
[Learn More](#)

Roadmap Announcements Product Catalog JDE and SaaS

