December 1st, 2022

Southwest Maximo Users Group (SWMUG)

WELCOME

MaximoGroups.org

SPECIAL THANKS
SOUTHWEST MUG EVENT HOSTS

JFC & Associates

KDiT
MAKING MAXIMO RELIABLE

MaximoGroups.org

IBM

SOUTHWEST MAXIMO USERS GROUP
SWMUG

Wi-Fi

“Chase Center” Once you choose that Wi-Fi option, it will take you to a webpage where you can agree to the terms.

SWMUG Fall 2022 Event Sponsors

BPD ZENITH

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maximo®. mobility. cloud.

Projetech™
MAXIMO® CLOUD SOLUTIONS

FIELDFLEX
ENTERPRISE MOBILE APPS FOR
MAXIMO AND TRIRIGA

INTERPRO
SOLUTIONS

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SOUTHWEST
SWMUG

Southwest Maximo Users Group (SWMUG) Community Focus & Update

- Maximo end-user's education
- Sharing of Tips, Tricks, and Fixes for Maximo
- Asset & Work Management Best Practices
- SWMUG Commitment to biannual in-person Meeting
- Regional group encompassing all industries
- SWMUG covering 5 Southwestern states
- Dedicated Southwest MUG website (SWMUG.org)
- LinkedIn SWMUG page for updates
- IBM IoT Community Page
- 2023 SWMUG gearing up for 2-day events

SWMUG Maximo Users Group Geography

Note: All Maximo users are welcome to SWMUG regardless of Geographical location

About MaximoGroups.org

MaximoGroups.org was established to support, promote, and serve all Maximo professionals and users through sharing knowledge and experience, showcasing successes, highlighting challenges, and providing a means to develop professional and personal relationships in order to gain a better understanding and best utilization of Maximo.

Signup for the MaximoGroups.org Newsletter to stay updated on all upcoming events.

2023 Spring MUG Schedule

- **PacMUG – March 15-16 / Los Angeles, CA**
- **LVMUG – April 5-6 / Las Vegas, NV**
- **SWMUG – May 3-4 / Phoenix, AZ**
- **WMMUG – May 17-18 / Denver, CO**

2023 Fall MUG Schedule

- **FMMUG September 20-21 Kansas City, MO**
- **SWMUG October 4-5 Dallas, TX**
- **PacMUG October 18-19 Seattle, WA**
- **LVMUG November 1-2 Las Vegas, NV**
- **PacMUG November 15-16 San Jose, CA**

- Speaker Appreciation
- End-User Drawings following each sponsor spotlight

(Tickets at registration table)

Networking After-Event Gathering

3:45 pm – 6:00 pm

705 MAIN STREET @ CAPITOL, HOUSTON, TX

Hosted by MaximoGroups.org and IBM

Attendee Introductions / End-User Survey

https://www.menti.com/

Voting code 88 91 64 7

Using your mobile device

Scan the QR code

https://www.menti.com/alehmebytx6p

Agenda

Registration / Meet & Greet / Breakfast	**Sridhar Makkapati / Scott Schilling / Michael Nutt** Southwest MUG Committee	8:00 a.m. - 8:30 a.m.
Community Update / Attendee Networking Introductions / User Survey	**Scott Schilling / Michael Nutt**	8:30 a.m. - 9:00 a.m.
Keynote Presentation *"Asset Lifecycle Management"*	**Sridhar Makkapati** *Calpine, Senior Director, Information Services and Technology*	9:00 a.m. - 9:40 a.m.
Sponsor Spotlight - Gift card drawing	**Interloc Solutions**	9:40 a.m. - 9:45 a.m.
IBM - *MAS Upgrade/Journey to Predict, Deployment Options and associated App Points.*	**Rishab Nambiar** *Solutions Engineer - IBM Sustainability* **Rick Hatheway** *Senior Technical Specialist, IBM Sustainability Software*	9:45 a.m. - 10:25 a.m.
Networking Break	**Refreshments / Networking**	10:25 a.m. - 10:45 a.m.

Agenda

Sponsor Spotlight - Gift card drawing	**BPD Zenith**	10:45 a.m. - 10:50 a.m.
Maximo - Mobile Visual Inspections	**Rick Hatheway** *Senior Technical Specialist, IBM Sustainability Software*	10:50 a.m. - 11:30 a.m.
Optimize Asset Management with Process Mining For Maximo	**Mitch Simon** *Global Industry Solutions - IBM Energy*	11:30 a.m. - 12:00 p.m.
Lunch	**Provided by our Sponsors**	12:00 p.m. - 1:00 p.m.
Event Host Spotlights / Social Networking Update	**JFC & Associates / KDIT Solutions / MaximoGroups.org**	1:00 p.m. - 1:15 p.m.

SOUTHWEST MAXIMO USER GROUP
SWMUG

Agenda

Tech Talk Lighting Round Discussion Group ***- MAS 8 preparation & Licensing*** ***- The Mobile Jungle*** ***- Maximo Upgrade Best Practices for Testing & Performance Tuning***	**Panel Discussion Group** *Rick Hathaway / Pranjal Dutta / Michael Nutt / Rishab Nambiar*	1:15 p.m. - 2:15 p.m.
Networking Break	**Refreshments / Networking**	2:15 p.m. - 2:35 p.m.
Sponsor Spotlight - Gift card drawing	**Projetech**	2:35 p.m. - 2:40 p.m.
Planning & Scheduling Best Practices and Solutions	**Richard Almendarez** *Director of Professional Services |* *Solufy, A Prometheus Company*	2:40 p.m. - 3:20 p.m.
Planning ahead / Q&A / Closing remarks	**SWMUG *Group Leaders***	3:20 p.m. - 3:30 p.m.
Social Networking Event *Hosted by MaximoGroups.org & IBM*	**The Flying Saucer Draught Emporium** **705 Main St, Houston, TX 77002**	3:30 p.m. - 5:00 p.m.

MAXIMO TECH TALK

Panel Discussion Topics

- MAS 8 Preparation & Licensing
- The Mobile Jungle
- Maximo Upgrade Best Practices for Testing & Performance Tuning

15-Minuite Lightning Round Discussions

MAS 8 Preparation & Licensing

- ✓ Technical impacts
- ✓ Administration & usage impacts
- ✓ Licensing & other resource needs

Cloud and Licensing

- How they work?
- How they convert versus my current mix?
- What tool is available so that I can start preparing?
- How can my SP help support/advocate on my behalf with options?
- Will I be able to pay my annual S&S that I have now till 2025 when there is EOS?
- Can I buy perpetual licenses in MAS?

MAS Deployment Options

Deployment	Availability	Procurement	Provision/Operation	Benefits
On Premise Customer Managed	Now	Client purchases MAS from IBM Client provides infrastructure	**Client** provisions, manages & operates full stack	• Maximum operational flexibility
Hyperscalers Customer Managed	Now on AWS	**BYOL** - Client purchases 1) Software from IBM 2) Infrastructure from Hyperscaler	**Client** runs IBM-provided automation scripts to deploy MAS on Hyperscalers' cloud	• Simplifies procurement & deployment • Allows client to select their Hyperscaler • Client manages & operate their environment
	3Q22 on AWS	**Marketplace Listing** - Client purchases software & infrastructure from Hyperscale's' Marketplace		
SaaS	June 28, 2022 on AWS	Client purchase's **single** part (includes software, infrastructure & operations)	**IBM** provisions, manages & operates Client's MAS environment using IBM's AWS cloud account	• Reduced time to value • Reduced operational costs • Allows client to focus on business priorities
Managed (Dedicated) Service	Now on IBM Cloud, 1Q23 on AWS	Client purchases: 1) Software and 2) Managed Service (including infrastructure) from IBM	**IBM** provisions, manages & operates MAS environment using IBM's cloud account	• Simplifies deployment & operations • Provides more flexibility to customize environment than SaaS • Provides more operational flexibility than SaaS
Other Solutions (MaaS, Cloud Managed Service Offerings, Dedicated, ...)	Now IBM Cloud, AWS, ...	Client purchases: 1) Software or BYOL, and ... 2) Managed Service (including infrastructure)	**MSP** provisions, manages & operates v76x/MAS environment	• Simplifies deployment & operations • Flexibility to customize, integrate, develop as needed • Upgrade path to MAS on your timeline (maybe even after EOS)

Illustrations: v7 Licenses conversion to AppPoints

Operating Model: Frequent system use by single shift positions
Conversion: v7 named users to MAS AppPoint Authorized user types

Maximo V7 License Type	Qty	MAS User/Install Type	Qty	AppPts per	AppPts Total
Authorized User	30	Base Authorized	30	3	90
Oil & Gas Authorized User	30	Premium Authorized	30	5	150
Limited User	60	Limited Authorized	60	2	120
Oil & Gas Limited User	60	Limited Authorized	60	2	120
Express User	120	Limited Authorized	120	2	240
		TOTAL			**720**

Operating Model: Three shift positions and sporadic use by single shift positions
Conversion: v7 concurrent users to MAS AppPoint Concurrent user types

Maximo V7 License Type	Qty	MAS User/Install Type	Qty	AppPts per	AppPts Total
Authorized Concurrent User	10	Base Concurrent	10	10	100
Oil & Gas Concurrent User	10	Premium Concurrent	10	15	150
Limited User	60	Limited Concurrent	20	5	100
Oil & Gas Limited User	60	Limited Concurrent	20	5	100
Express Concurrent User	40	Limited Concurrent	40	5	200
		TOTAL			**650**

AppPoint Math

(Available for v.7.6.1.x & MAS8)

User's access to modules and solutions

+

Admin Users

+

Installs

Self Service User

Free
0 AppPoints

Self Service Applications
- Service Requests
- Desktop Requisitions
- Requests (Oil & Gas)
- Create/Review Incidents (HSE)
- Vehicle Requests (Transportation)
- Graphical Appt Book (Scheduler)
- Bill review (Service Provider)
- Data Transfer via devices and sensors (Safety)

Limited User

Concurrent	Authorized
5 AppPoints	2 AppPoints

3 Modules:
- Manage
- Manage Industry Solutions
- Manage Add-ons

Mobile
- Maximo Mobile
- Assist
- Anywhere
- 3rd Party

Monitor

Base User

Concurrent	Authorized
10 AppPoints	3 AppPoints

Manage
Includes:
- Linear
- Calibration
- Spatial (requires install)

Scheduler
Health
Safety

Premium User

Concurrent	Authorized
15 AppPoints	5 AppPoints

Manage
Industry Solutions
- O&G, Aviation, Transportation, Utilities, Nuclear, Civil Infrastructure

Add-ons
- ACM, SP, HSE

Predict
Health and Predict - Utilities
Visual Inspection

Admin User Type	Reserved Points	Role
Application	Base (10)	Add & assign users to applications and manage user privileges
Suite	Premium (15)	Manages overarching system configuration settings

Install – 1 AppPoint (x multiplier)

For each Production Env Install

SAP/Oracle Connector (x80)

Manage-Workday Connector (x80)

Spatial (x20)

Civil Infrastructure (x50)

Optimizer (x220)

Visual Inspection (x45) MVI Edge (x1 per Connected Device)

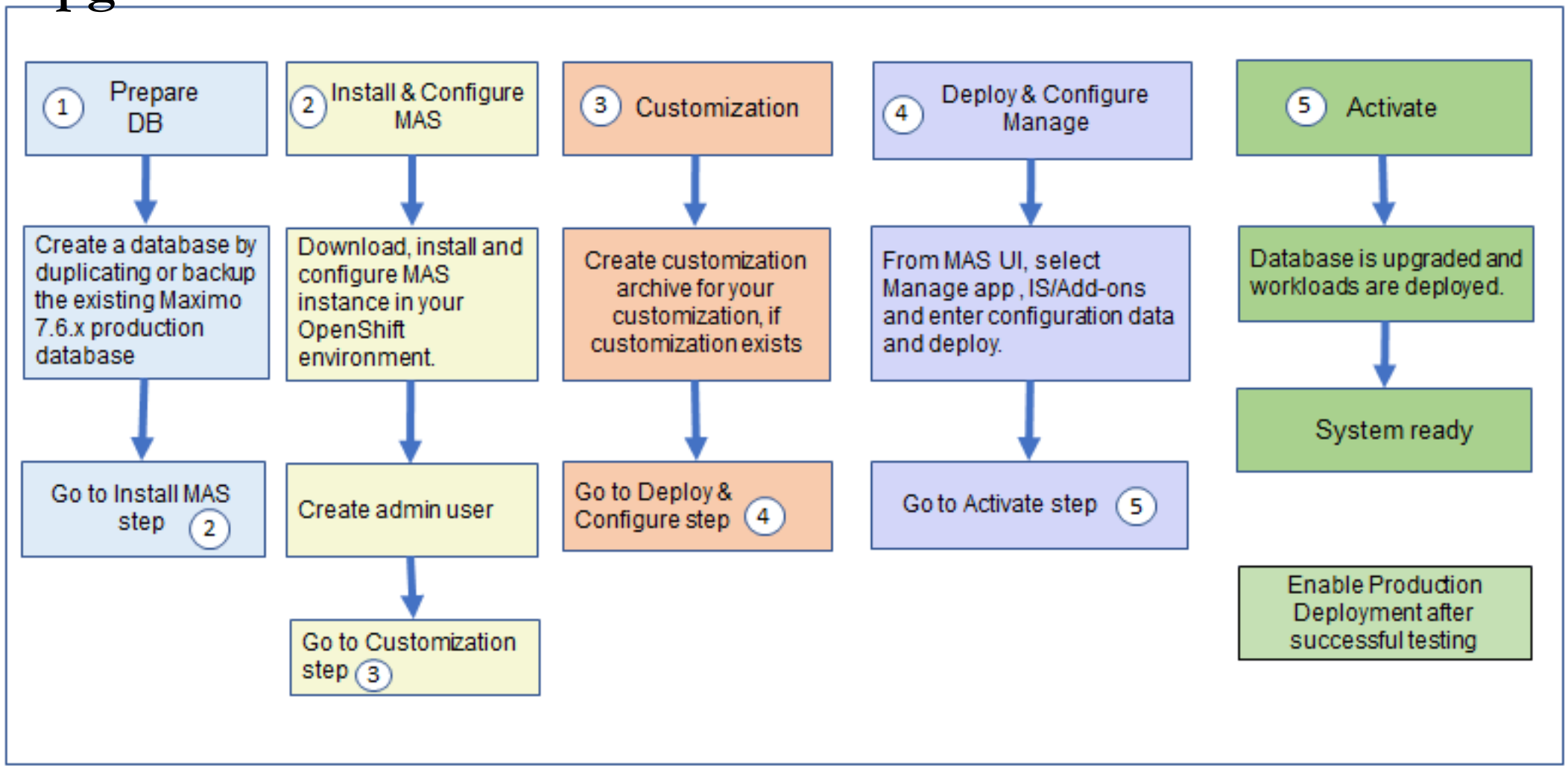
Optimizer Limited (x60)

Assist (x150)

Health & Predict - Utilities (x60)

MAS 8 Preparation

Upgrade Process Overview



The Mobile Jungle:

Mobile and Predictive Technologies

Michael Nutt

A Digital Renaissance

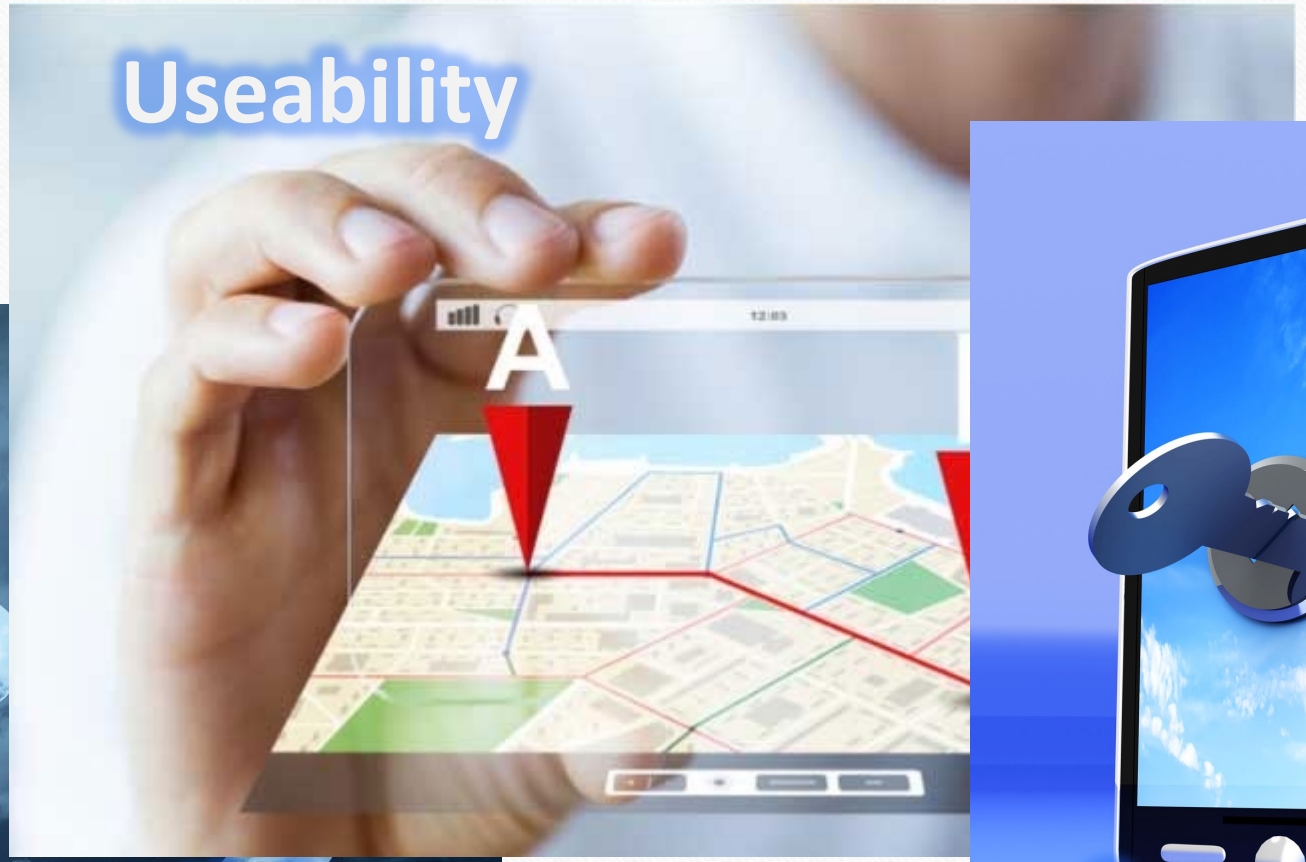
Digital Renaissance

The *Art*
Of
Mobile-First

The *Language*
of
Cyber Senses

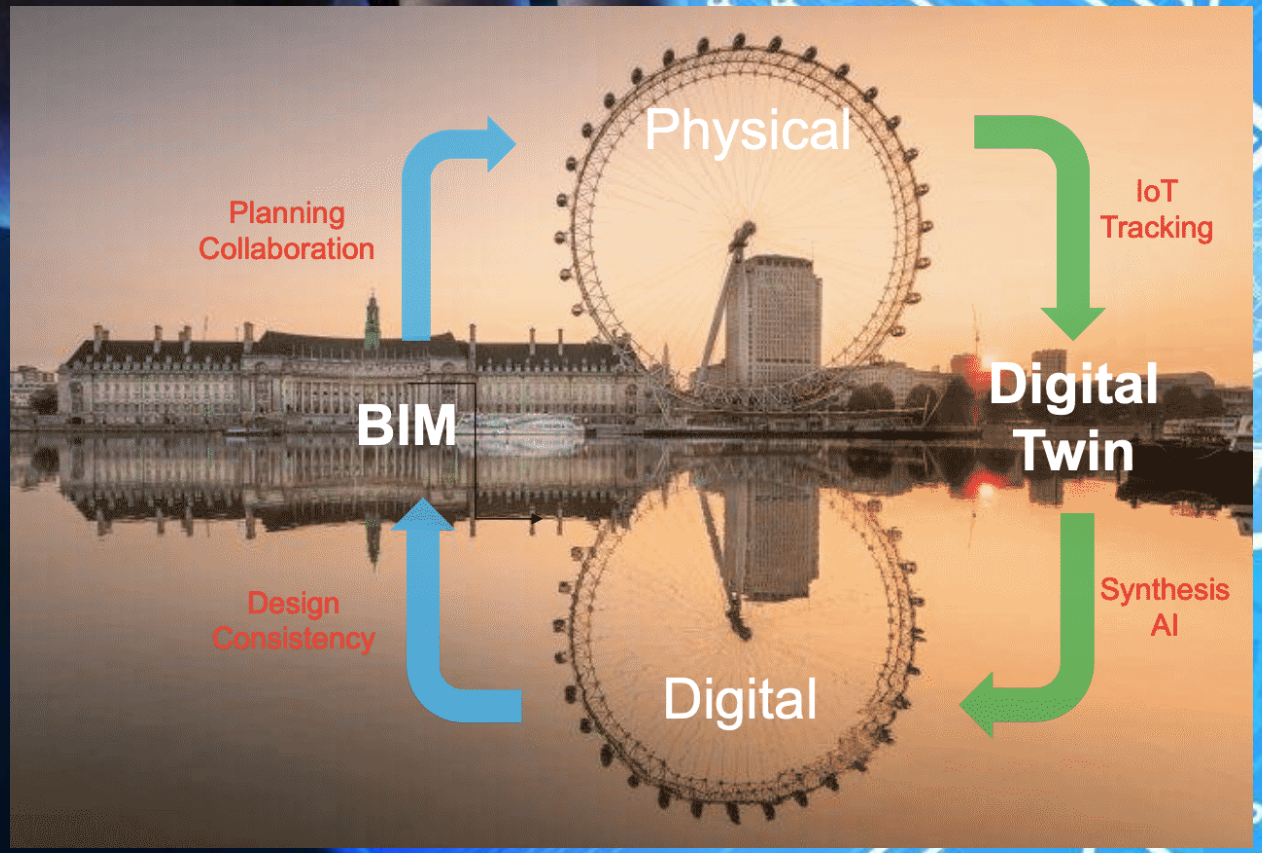
The *Philosophy*
of
Data Visualization

Mobility



Industrial Internet of Things

Digital Twin Visualization



"With data we can talk about science. Without data, we can only discuss philosophy."

- Maximo Upgrade Best Practices for Testing & Performance Tuning

Maximo Performance Benchmarking

BEFORE

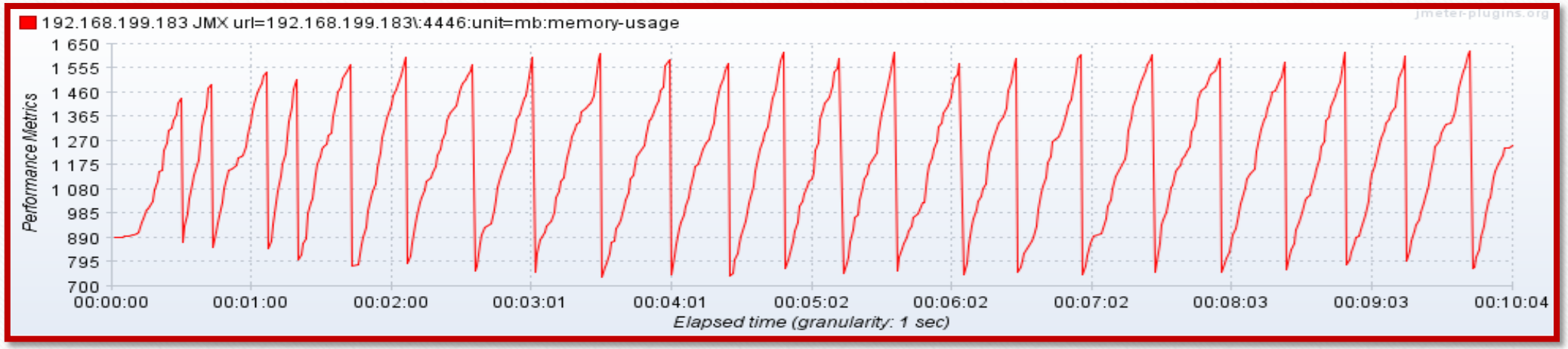
AFTER

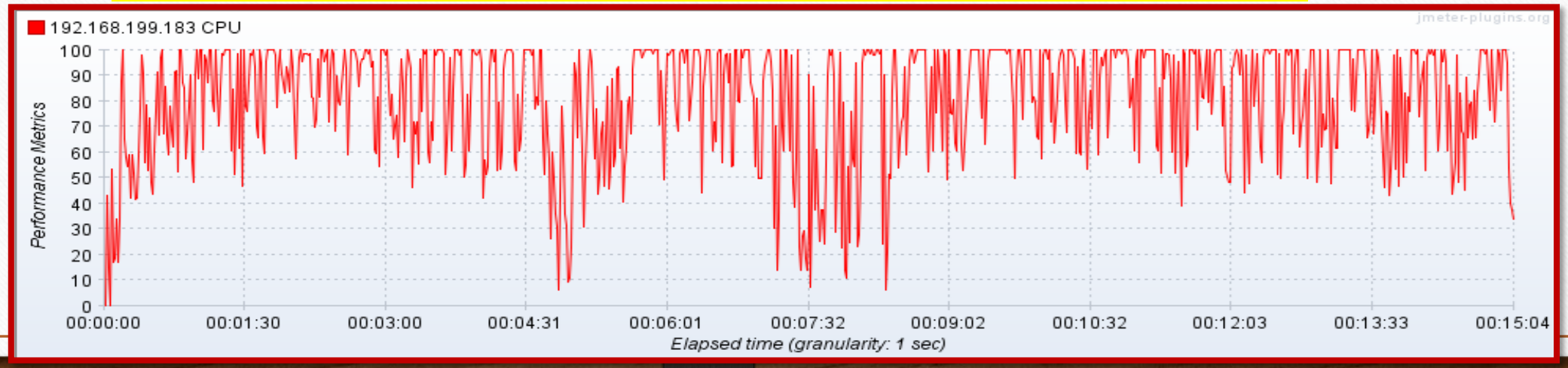
• Maximo Upgrade Best Practices for Testing & Performance Tuning

Common Gridlocks

HEAP MEMORY UTILIZATION:

FREQUENT GARBAGE COLLECTION IS HAPPENING



CPU UTILIZATION GRAPH:

FREQUENT GARBAGE COLLECTION, CPU UTILIZATION WILL BE HIGH.