Las Vegas Maximo User Group (LVMUG)

November 1-2,2023
Las Vegas, Nevada

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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
	Azure, Google – 2024/2025	**Marketplace Listing** - Client purchases software & infrastructure from Hyperscale's' Marketplace		
SaaS	Now 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, 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)

AppPoint Math
(Available for v.7.6.1.x & MAS8)

User's access to modules and solutions

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 Users

+

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

Installs

| 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) |

Calculated License	IBM Conversion	Last Login	Partner
Authorized	BASE	7/9/21 7:25 AM	Y
Authorized	BASE	10/4/23 9:31 AM	Y
Authorized	BASE	4/30/21 6:21 PM	Y
Authorized	BASE	6/3/21 1:00 PM	Y
Authorized	BASE	6/3/21 12:29 PM	Y
Authorized	BASE	10/20/23 3:45 PM	
Express	LIMITED	10/23/23 6:59 AM	
Express	LIMITED	10/22/23 4:04 AM	
Express	LIMITED	10/17/23 5:14 PM	
Authorized	BASE	10/18/23 11:13 AM	
Authorized	BASE	10/23/23 8:06 AM	
Self-Service	SELFSERVICE		
Self-Service	SELFSERVICE	1/26/22 1:55 PM	
Authorized	BASE	10/23/23 6:21 AM	
Authorized	BASE	7/6/23 1:08 PM	
Self-Service	SELFSERVICE	3/21/23 10:03 AM	
Express	LIMITED	10/21/23 10:59 AM	
Self-Service	SELFSERVICE		
Self-Service	SELFSERVICE		
Express	LIMITED	10/18/23 2:02 PM	
Express	LIMITED	10/22/23 10:40 AM	
Self-Service	SELFSERVICE		
Self-Service	SELFSERVICE		
Self-Service	SELFSERVICE		
Self-Service	SELFSERVICE		
Express	LIMITED	8/7/23 3:02 PM	
Self-Service	SELFSERVICE		
Authorized	BASE	10/23/23 10:18 AM	
Self-Service	SELFSERVICE		
Express	LIMITED	10/20/23 7:05 AM	

7.6 Licensing

License Type	Licensed	Calculated	Remaining	Partner
Authorized	106	100	6	5
Express	260	250	10	
Self-Service		99		
Total		449	16	

* User Type Domain

Value	Description
TYPE 1	MAXADMIN
TYPE 2	AUTHORIZED
TYPE 3	LIMITED
TYPE 4	EXPRESS
TYPE 5	SERVICE REQU
TYPE 10	TYPE 10

App Point Conversion - Concurrent Use

Peak Event Date	Event	User Count	Total Points	User Count: Premium	Base	Limited
10/18/23 3:16 PM	1	70	465	0	23	47
8/22/23 2:28 PM	2	67	420	0	21	42
7/26/23 2:49 PM	3	66	430	0	22	42

App Point Conversion - Hybrid Approach at Peak 1

MAS Type	App Points	User Count	Total Points
PREMIUM- Authorized	5	0	0
PREMIUM - Concurrent	15	0	0
BASE - Authorized	3	100	300
BASE - Concurrent	10	0	0
LIMITED - Authorized	2	0	0
LIMITED - Concurrent	5	47	235
SELFSERVICE	0	0	0
ADMIN-PREM	15	0	0
ADMIN-BASE	10	3	30
Total			565

User Summary and MAS Conversion | User List MAS Type | Peak Date 1 User List | Peak Date 2 User List

The table below summarizes App Points needed to cover all users with Authorized entitlements.

App Point Conversion - Authorized			
MAS Type	**Points**	**User Count**	**Totals**
BASE	3	3	9
LIMITED	2	14	28
SELFSERVICE	0	10	0
Sub-Total		27	37
BASE - Application Admin	10	1	10
Total			47

The analysis identified the following peak dates over the last 90 days and the App Points required based on all concurrent usage for these 3 events.

App Point Conversion - Concurrent				
Peak Date	**Event**	**User Count**	**App Points**	**w/ Admin Points**
8/22/23 6:12 PM	1	7	45	55
8/15/23 4:48 PM	2	5	35	45
8/18/23 10:28 AM	3	4	30	40

Projetech's analysis also looks at a hybrid approach using both Authorized and Concurrent entitlements.

App Point Conversion - Hybrid Approach at Peak 1 Event			
MAS Type	**Points**	**User Count**	**Totals**
BASE - Authorized	2	3	6
LIMITED - Concurrent	5	3	15
BASE - Application Admin	10	1	10
			31

Customer Name:	BRA							

Job Role / Integration / Install Description	MAS User Access Type	MAS Qty	MAS User Type	# of Users per each Concurrent Use	AppPoints per User / Install / Integration	AppPoint Total	Concurrent Load	Calculated # of Users (excl Self Svc)	Notes
	Application Admin Base	-	Authorized (Named)	1.0	10	-	-	-	Admin base is used for instances without any industry solutions or
	Application Admin Premium	1	Authorized (Named)	1.0	15	15	1	1	Admin premium required for instance with a industry solution or
	Integration Limited Concurrent	2	Concurrent	1.0	5	10	2	N/A	
	Integration Base Concurrent		Concurrent	1.0	10	-	-	N/A	
	Integration Premium Concurrent		Concurrent	1.0	15	-	-	N/A	
	Self Service User Concurrent	10	Concurrent	1.0	-	-	10	N/A	
	Limited Authorized (Named)		Authorized (Named)	3.0	2	-	-	-	
	Base Authorized (Named)	-	Authorized (Named)	1.0	3	-	-	-	
	Premium Authorized (Named)	-	Authorized (Named)	5.0	5	-	-	-	
	Limited Concurrent	-	Concurrent	5.0	5	-	-	-	
	Base Concurrent	19	Concurrent	6.0	10	190	19	114	
	Premium Concurrent	5	Concurrent	5.0	15	75	5	25	
						-	-	-	
						-	-	-	
						-	-	-	
						-	-	-	
						-	-	-	
						-	-	-	
						-	-	-	
						-	-	-	
TOTALS		37				290	37	140	
User license types only (i.e., excludes Installs)		37		MAS AppPoints Allocated for Users (i.e., excludes Installs)			290		

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Thank You

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