

App Points How MAS Consumes Them

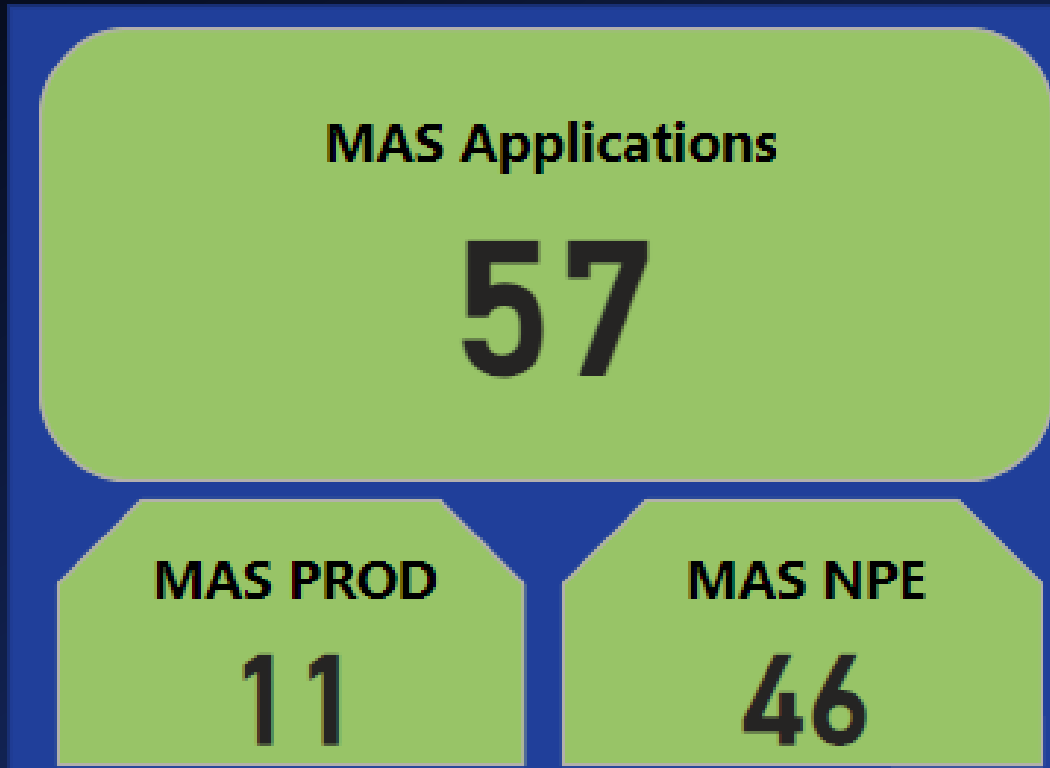
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Technical Product Manager

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Projotech's Maximo and MAS Experience



Agenda

- SLS Server Architecture
- Configure User in MAS
- Understand Usage

SLS Server Architecture

Suite License Server, the one server to rule them all.



Shared Pool of AppPoints

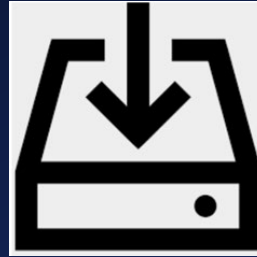
Concurrent Application Users



Check in/out AppPoints on a regular occurrence as users' login/out of the Suite.

Always rotating the amount of AppPoints in the pool.

Installs

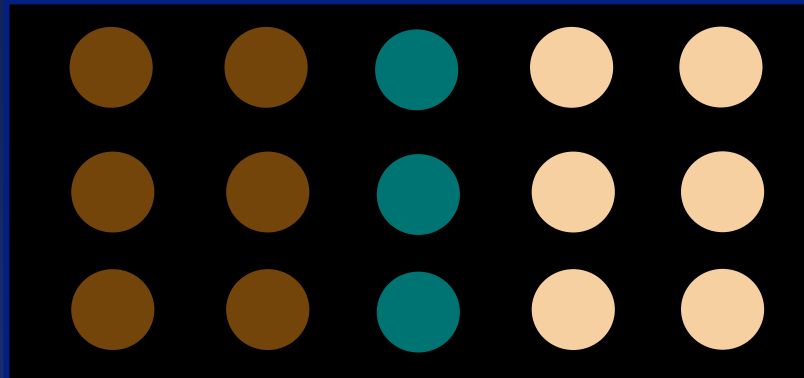


These AppPoints are required for each MAS instance and are "reserved" on install of application.

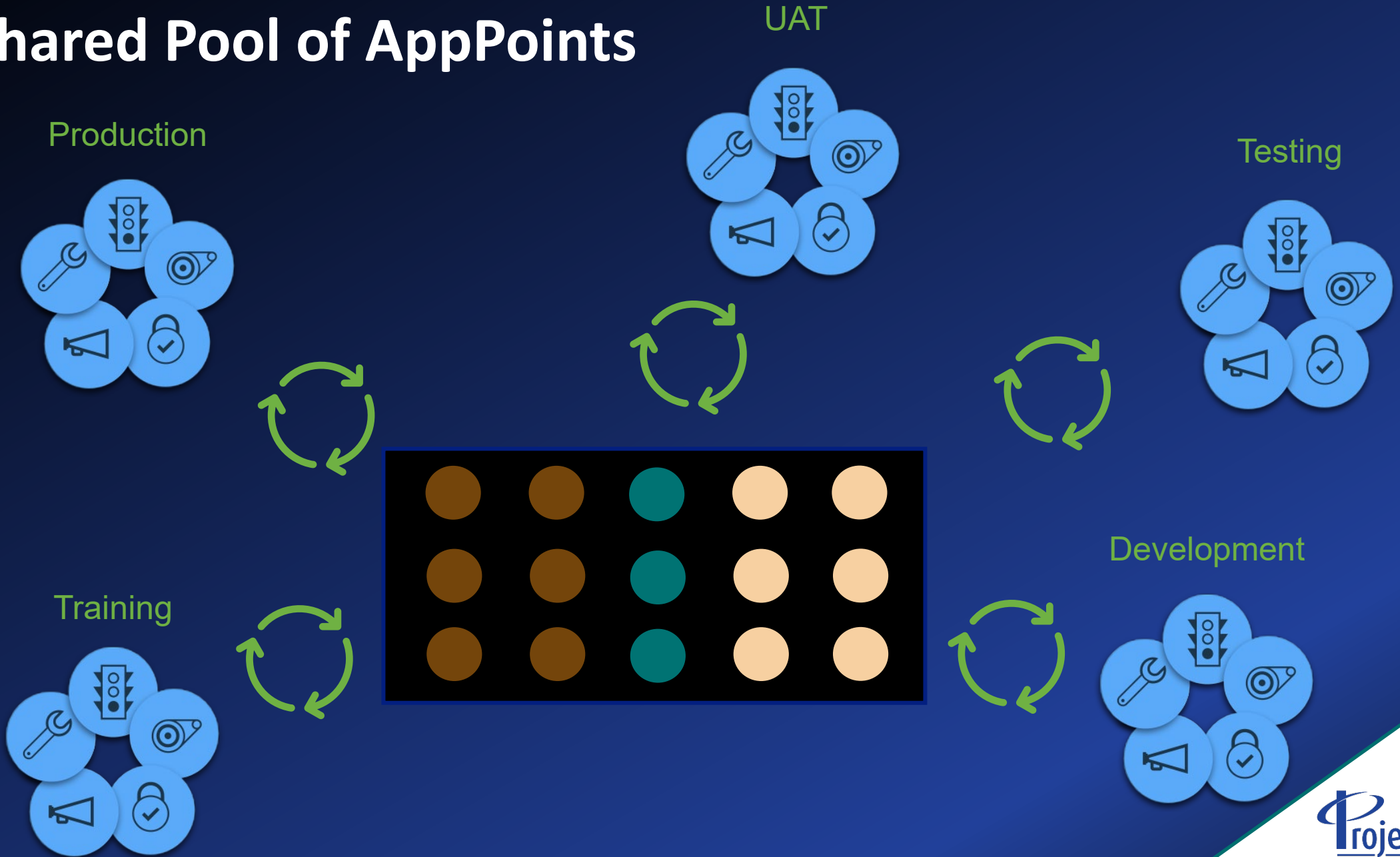
Authorized Application Users



These AppPoints are "reserved" to ensure Admins and Authorized users always have access to the application suite.



Shared Pool of AppPoints



Configure User in MAS

If you build it, they will log in.



MAS AppPoint License Model

<i>USER TYPES</i>	Self Service	Limited	Base	Premium
Administration Users <i>(Authorized)</i>	N/A	N/A	10 AppPoints	15 AppPoints
Application Users <i>(Concurrent)</i>	0 AppPoints	5 AppPoints	10 AppPoints	15 AppPoints
Application Users <i>(Authorized)</i>	0 AppPoints	2 AppPoints	3 AppPoints	5 AppPoints
Applications	Self Service Applications <ul style="list-style-type: none"> • Service Requests • Desktop Requisitions • Requests (Oil & Gas) • Create/Review Incidents (HSE) • Vehicle Requests (Transportation) • Graphical Appt Book (Scheduler) • Bill review (Service Provider) 	Manage 3 Modules: <ul style="list-style-type: none"> • Manage (Linear/Calibration/Spatial) • Manage Industry Solutions • Manage Add-ons • IT • Maximo Mobile • 3rd Party Mobile Monitor Assist	Manage Includes: <ul style="list-style-type: none"> • Linear • Calibration • Spatial (requires install) • Scheduler • IT Health	Manage Industry Solutions <ul style="list-style-type: none"> • Oil & Gas, Aviation, Transportation, Utilities, Nuclear, Civil Infrastructure Add-ons <ul style="list-style-type: none"> • Asset Configuration Manager, Service Provider, Health Safety & Environment Manager Predict Visual Inspection (requires install)
Install AppPoints <i>(Production Only)</i>	SAP/Oracle/Workday Connectors (80)	Civil Infrastructure (50)	Visual Inspection (45) Edge (1)	Spatial (20) Optimizer (60) / (220)

Cron Task

Cron Task

MASUSERSYNC

User sync cron task from manage to MAS



Class

psdi.server.MASUserSyncCronTask

Access Level

FULL



Cron Task Instances (1 - 1 of 1)



Cron Task Instance Name

Schedule

Run as User

Active?

Keep History?

Max Number of Hist



MASUSERSYNC

1h,*0,*****



MAXADMIN



1 - 1 of 1

Parameters

History



Cron Task Parameters (1 - 3 of 3)



Parameter

Value

Description



ISSUER

The issuer can be local, ldap, or saml. De



OWNER

The owner of the user in Maximo Applici



RESENDUSERSSEL

Specifies a WHERE clause that selects a



Suite administration

Overview

Catalog

Applications

Workspace

Configurations

License consumption

Users

API keys



Phil Runion

Last modified 05 September 2024 by Manage Application

Active Synchronized



Identity

User ID	Username	Primary email
phil.runion	prunion@projetech.com	prunion@projetech.com
Owner	Authentication type	Created by
External ⓘ	SAML	
Created on	04 September 2024 09:09	

- Account status
- User details
- Contact information
- Locale and time zone

Entitlement

Access Type	Application entitlement	Administration entitlement	Cost
Authorized	Premium	Premium	15 Reserved AppPoints

2. Authentication

Select the authentications type and provide login details for the user.

Local <input checked="" type="checkbox"/>	SAML <input checked="" type="checkbox"/>
Username prunion@projetech.com	SAML ID prunion@projetech.com
<input type="checkbox"/> Send password by email ⓘ	
Password <input checked="" type="radio"/> Autogenerated <input type="radio"/> Custom	

3. Entitlement

Select entitlements to set the application and administration access levels that the user can be granted.

Access Type

- Concurrent ⓘ
- Authorized ⓘ

Application entitlement

Premium (5 AppPoints) ▼

[Compare application entitlements](#)

Administration entitlement

Premium (15 reserved AppPoints) ▼

[Compare administration entitlements](#)

3. Entitlement

Select entitlements to set the application and administration access levels that the user can be granted.

Access Type

Concurrent ⓘ

Authorized ⓘ

Application entitlement

Premium (5 AppPoints) ^

No entitlement

Self service (0 AppPoints)

Limited (2 Reserved AppPoints)

Base (3 Reserved AppPoints)

Premium (5 Reserved AppPoints)

Administration entitlement

Premium (15 reserved AppPoints) v

[Compare administration entitlements](#)

ed. After the user is created, you can define the specific permissions

Suite administration

System configuration

User management

API key management

Application

Required entitlement

Access

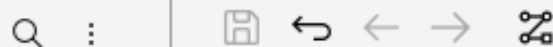
Manage

Access dependent ⓘ

Set in Manage



Users

[← List View](#)

Available Queries

Common Actions[Save User](#)[Clear Changes](#)[Create Report](#)**More Actions**[Workflow](#)[View History](#)[Reset E-Signature Key](#)[Set Security Profile](#)[Authorize Group Reassignment](#)[Manage Sessions](#)[Manage Blocked IP Addresses](#)**User**

Groups

Security Profile



User

PHIL.RUNION

Status

ACTIVE

*Type

PROJETECH



Login Information

User Name

prunion@projetech.com

Is Consultant?

[Set Password](#)

Consultant users can log in to one or more tenants to provide consultancy services such as database administration, configuration,

Personal

*Person

PHIL.RUNION



Display Name

Phil Runion

Status

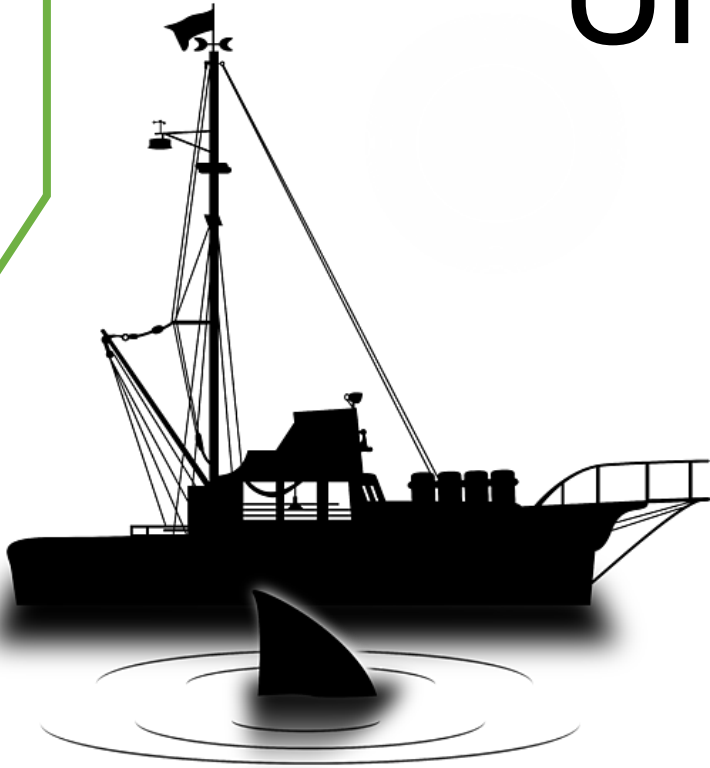
ACTIVE

Primary Phone

513-578-6057

Understand Usage

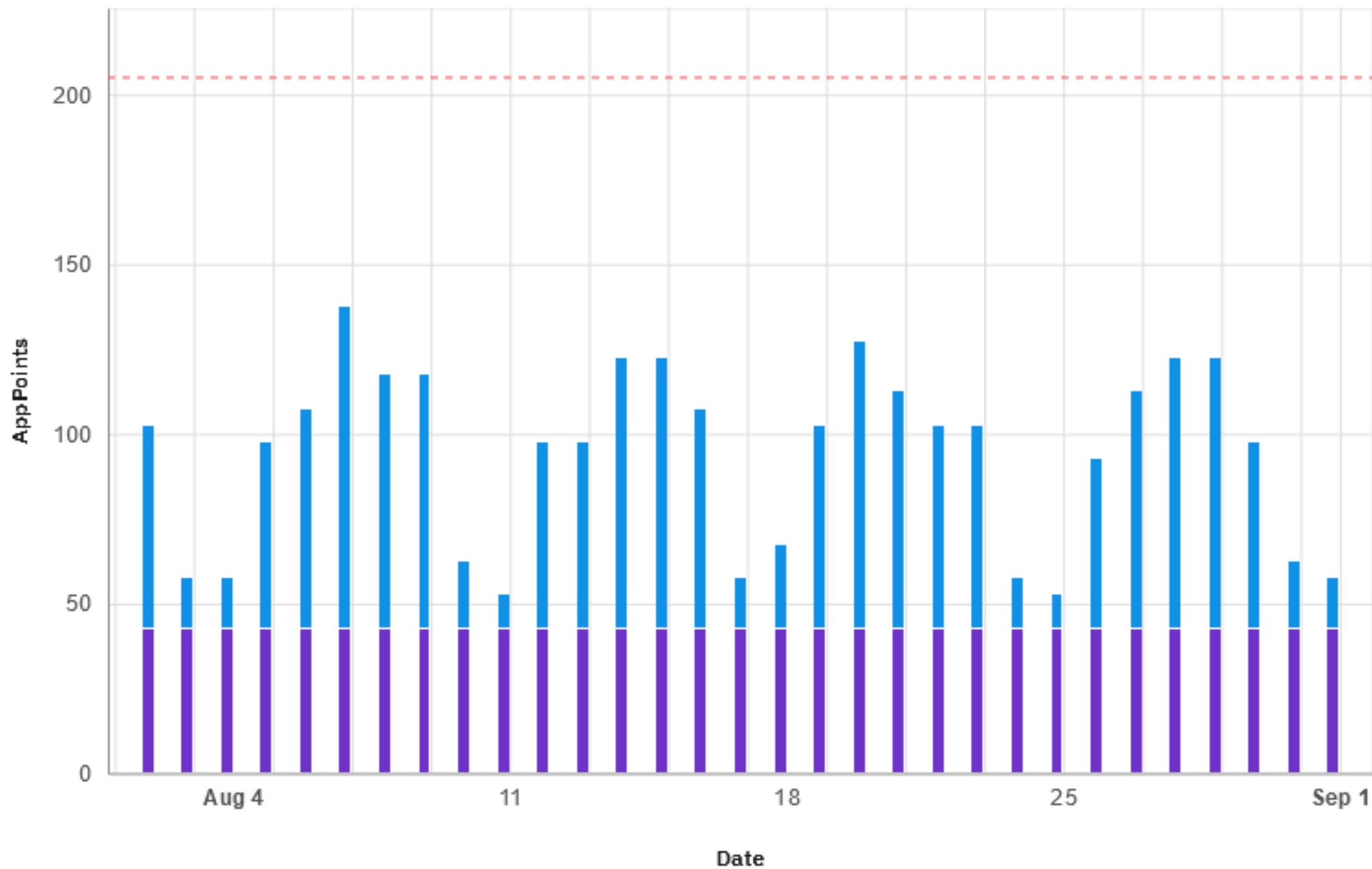
Do you need a bigger boat?



Last month (August 2024)



- ⚙️ Suite administration
- Overview
- Catalog
- Applications
- Workspace
- Configurations
- License consumption**
- Users
- API keys



SLS Mongo Database

```
_id: "out_2024-09-05T11:26:31.367859172Z"  
▶ metadata : Object  
  timestamp : 2024-09-05T11:26:31.367+00:00  
  type : "out"
```

```
_id: "out_2024-09-05T11:30:06.956084382Z"  
▶ metadata : Object  
  tokenCost : "15"  
  productVersion : "1.0"  
  quantity : "1"  
  productId : "MAS-Admin-Premium"  
  tokenId : "AppPoints"  
  totalCost : "15"  
  licenseeId : "prunion@projetech.com"  
timestamp : 2024-09-05T11:30:06.956+00:00  
type : "out"
```

```
_id: "in_2024-09-05T11:30:07.730794694Z"  
▶ metadata : Object  
  timestamp : 2024-09-05T11:30:07.730+00:00  
  type : "in"
```

Q SLS1038

sls1038_sls_licensing

auditevents

licenses

products

registrations

reports

samples

tokenpools

sls1038_sls_licensing.licenses

STORAGE SIZE: 36KB LOGICAL DATA SIZE: 495B TOTAL DOCUMENTS: 1 INDEXES: 0

Find

Indexes

Schema Anti-Patterns 0

Aggregat

Generate queries from natural language in Compass

Filter

Type a query: { field: 'value' }

QUERY RESULTS: 1-1 OF 1

```
_id: Binary.createFromBase64('Gj41d49xPrv2BfL5F4rvuw==', 3)  
▶ attributes : Object  
▶ claimIds : Array (1)  
  0: "admin"  
▶ claims : Array (2)  
  0: Object  
    _id: "admin_a311586-acc7d77b"  
    claimId: "admin"  
    claimTime: 2024-09-05T11:30:06.716+00:00  
    owner: "a311586-acc7d77b"  
  1: Object  
    _id: "admin_a311587-02e88dc0"  
    claimId: "admin"  
    claimTime: 2024-09-05T12:00:05.133+00:00  
    owner: "a311587-02e88dc0"  
concurrent: false  
licenseeId: "prunion@projetech.com"  
▶ owners : Array (2)  
  0: "a311587-02e88dc0"  
  1: "a311586-acc7d77b"  
productId: "MAS-Admin-Premium"  
productVersion: "1.0"  
quantity: 1  
reserved: true
```

```
select * from maslicusage  
where userid='MAXADMIN'  
order by processtype, startdate
```

138 %

Results Messages

	userid	maxprodid	licensetype	isadmin	startdate	enddate	processtype	m
1	MAXADMIN	MANAGE	MAS-Base	0	2024-02-20 00:00:00.000	2024-06-05 00:00:00.000	LICCRON	1
2	MAXADMIN	MANAGE	MAS-Premium	0	2024-06-05 00:00:00.000	NULL	LICCRON	5
3	MAXADMIN	MANAGE	MAS-Base	0	2024-02-21 00:00:00.000	2024-06-05 00:00:00.000	USERSYNC	4
4	MAXADMIN	MANAGE	MAS-Premium	0	2024-06-05 00:00:00.000	NULL	USERSYNC	5

```
SELECT userid, status
      ,(SELECT maslicusage.licensetype
        FROM maslicusage
        WHERE maslicusage.userid=maxuser.userid
        AND maslicusage.processtype = 'LICCRON'
        AND maslicusage.enddate IS null) AS "LICCRON (Manage)"
      ,(SELECT maslicusage.licensetype
        FROM maslicusage
        WHERE maslicusage.userid=maxuser.userid
        AND maslicusage.processtype = 'USERSYNC'
        AND maslicusage.enddate IS null) AS "USERSYNC (MAS)"
FROM MAXUSER
WHERE userid in ('MAXADMIN')
```

Results Messages

userid	status	LICCRON (Manage)	USERSYNC (MAS)
MAXADMIN	ACTIVE	MAS-Premium	MAS-Premium

7.6.1 Support Timeline Reminder

