Wikis

⌶ This Wiki ▾   Search

IBM TRIRIGA

Log in to participate

▾ Tags   ?

Find a Tag

You are in: **IBM TRIRIGA** > **IBM TRIRIGA Application Platform** > **Licensing** > License Metrics and Concurrent Usage

License Metrics and Concurrent Usage

🙂 | Updated March 16, 2016 by AdarshSaxena | Tags: *None*

Page Actions ▾

Introduction:

The license metric table (LICENSE_METRIC) was introduced in IBM TRIRIGA platform version 3.3.2. It records active user count, for every license, at a fixed recurring interval of time.

Functionality:

A new background agent called the Concurrent License Agent was created to accomplish this task. This agent is not exposed to administrators for management within the Administrator Console -> Agents Tab. The Concurrent License agent starts on server startup, and only one instance of it will run at any given time even in a multi-server environment. The agent checks and records active usage every 10 minutes (this value is not configurable). Upon waking up, it queries the ACTIVE_SESSION table and gets all the users that are logged at that moment in the application. The agent then gathers all associated licenses for each user, and logs the information in the LICENSE_METRIC table. If there are no active users at the time of the snapshot, then no entries will be recorded in the table. Below is a partial screen-shot of the table, showing the snap shot time, total user count, and the user count for each individual license.

	LOGGED_TIME_SNAPSHOT	USERS	L_3001	L_3002	L_3003	L_3004	L_3006	L_3007	L_3010	L_3012	L_3013	L_3017	L_3018	L_3020	L_3021
125	09/30/2015 18:58	1	0	6	0	6	5	0	6	0	0	1	0	0	1
126	09/30/2015 18:48	1	0	7	0	7	6	0	7	0	0	1	0	0	1
127	09/30/2015 18:38	1	0	7	0	7	6	0	7	0	0	1	0	0	1
128	09/30/2015 18:28	1	0	7	0	7	6	0	7	0	0	1	0	0	1
129	09/30/2015 18:18	1	0	10	0	10	9	0	10	0	0	1	0	0	1
130	09/30/2015 18:08	1	0	13	0	13	12	0	13	0	0	1	0	0	1
131	09/30/2015 17:58	1	0	15	0	14	14	0	15	0	0	1	0	0	1
132	09/30/2015 17:48	1	0	17	0	16	16	0	17	0	0	1	0	0	1
133	09/30/2015 17:38	1	0	16	0	15	15	0	16	0	0	2	0	0	1
134	09/30/2015 17:28	1	0	15	0	15	14	0	15	0	0	2	0	0	1
135	09/30/2015 17:18	1	0	19	0	19	18	0	19	0	0	2	0	0	2
136	09/30/2015 17:08	1	0	20	0	20	18	0	19	0	0	2	0	0	2
137	09/30/2015 16:58	1	0	22	0	22	20	0	21	0	0	1	0	0	2
138	09/30/2015 16:48	1	0	21	0	21	19	0	20	0	0	1	0	0	2
139	09/30/2015 16:38	1	0	22	0	22	20	0	21	0	0	1	0	0	2
140	09/30/2015 16:28	1	0	30	0	29	27	0	28	0	0	1	0	0	2
141	09/30/2015 16:18	1	0	29	0	28	25	0	26	0	0	1	0	0	2
142	09/30/2015 16:08	1	0	36	0	35	30	0	31	0	0	1	0	0	2

To summarize: Each row represents a time that the agent woke up, saw active users in the system, and recorded the total user count, as well as the total count of each license assigned to those users cumulatively.

For reference, refer to the link below for the license ID and name mappings:

https://www.ibm.com/support/knowledgecenter/SSHEB3_3.7/pdfs_wiki/License_IDs_and_Names.pdf

Reporting:

There are 6 reports created to capture the information of the user load and license usage in the system.
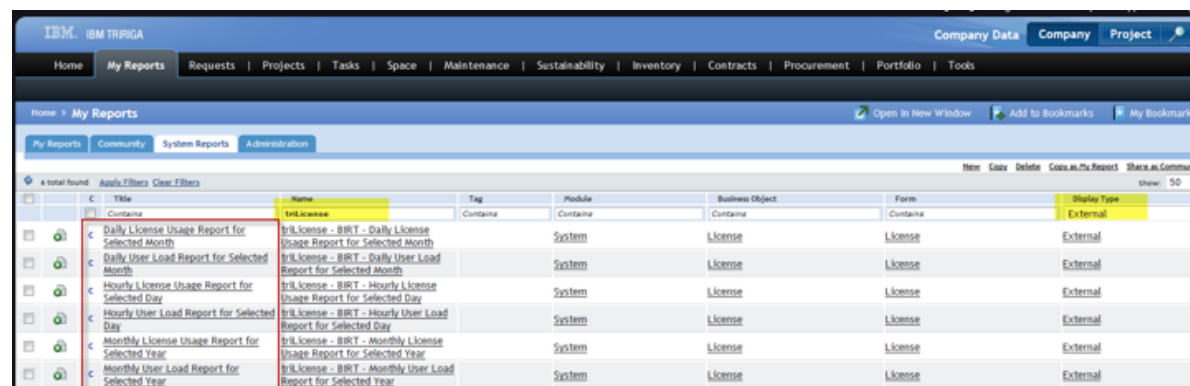
- Hourly License Usage Report for Selected Day
- Hourly User Load Report for Selected Day
- Daily License Usage Report for Selected Month
- Daily User Load Report for Selected Month
- Monthly License Usage Report for Selected Year
- Monthly User Load Report for Selected Year

The "**User Load Report**" gets the maximum number of users who log into the system over a period of time. (Hourly, Daily or Monthly)

The "**License Usage Report**" gets the maximum number of users who log into the system per license over a period of time. (Hourly, Daily or Monthly)

To use the reports:

1. Import the "IBM_TRIRIGA_<Release #>_License_Usage_Reports" Object Migration package into the environment by using the Object Migration function. OM packages are uploaded to attachment tab. Download the correct OM package related to the platform version you are currently on.

2. Go to Home -> My Reports -> Community/System Reports, search those reports by filtering the title, name and display type.
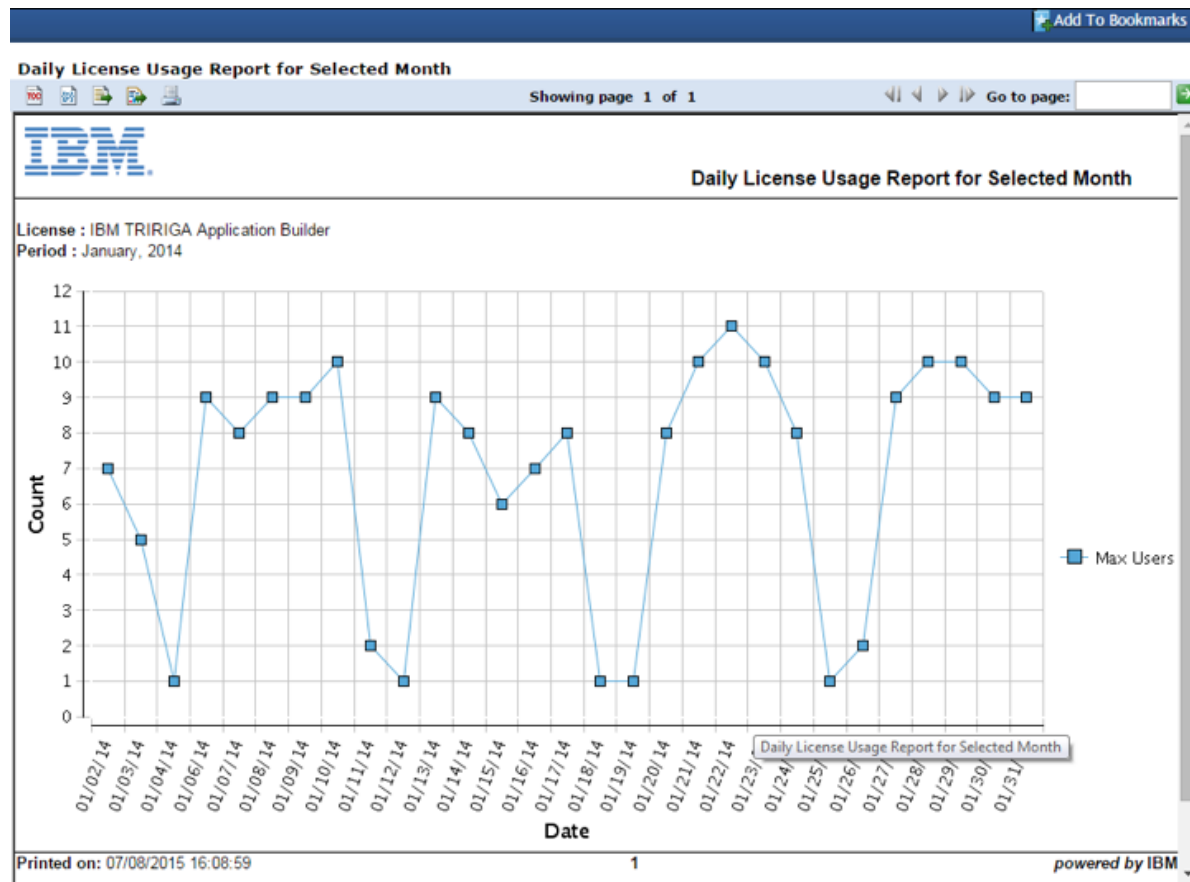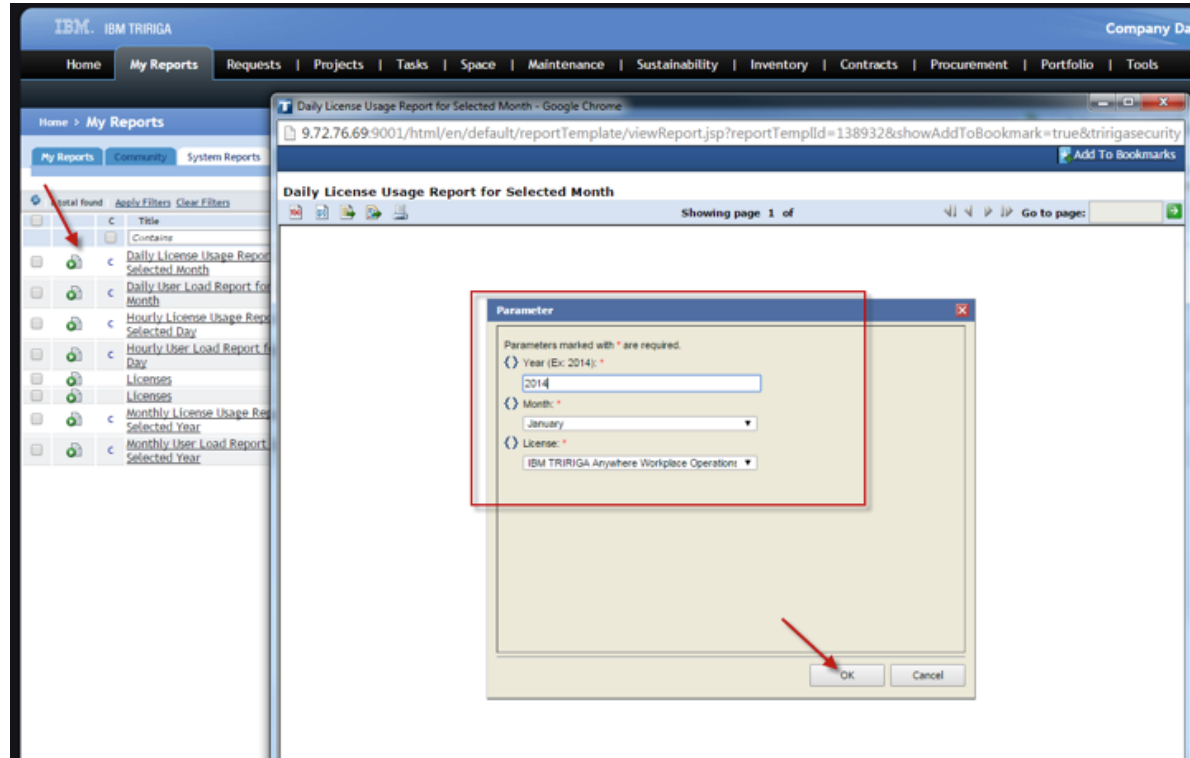

3. Click "Run report" icon, specify the required parameter in prompt window, then click "Ok" to see the result.

Adminstrators or DBAs can also execute direct queries against the LICENSE_METRIC table to get a report tailored to their specific needs.

 For example: Executing a query to get the maximum total user count by day for the year, say 2015, then sql can be written similar to this (add each license type you're interested in):

 select TO_CHAR(time_snapshot, 'MM-DD-YYYY') as "Date",

max(users) as "Users",

max(L_3001) as "L3001",

max(L_3002) as "L3002",

max(L_3003) as "L3003",

max(L_3004) as "L3004",

max(L_3006) as "L3006",

…………

…………

…………

…………

from license_metric

where time_snapshot >= TO_DATE('01-01-2015', 'MM-DD-YYYY')

and time_snapshot <= TO_DATE('12-31-2015', 'MM-DD-YYYY')

group by TO_CHAR(time_snapshot, 'MM-DD-YYYY')

order by TO_CHAR(time_snapshot, 'MM-DD-YYYY');

| Comments (0) | Versions (9) | **Attachments (14)** | About |

1-14 of 14   Previous | Next

IBM_TRIRIGA_3.5.2_License_Usage_Report.zip	November 8, 2017	69 KB	OM package for platform version 3.5.2
IBM_TRIRIGA_3.5.3_License_Usage_Report.zip	November 8, 2017	69 KB	OM package for platform version 3.5.3
IBM_TRIRIGA_3.6.0_License_Usage_Report.zip	May 31, 2018	75 KB	OM package for platform version 3.6.0
IBM_TRIRIGA_3_4_1_License_Usage_Reports.zip	March 16, 2016	63 KB	OM package for platform version 3.4.1
IBM_TRIRIGA_3_4_2_License_Usage_Reports.zip	March 16, 2016	63 KB	OM package for platform version 3.4.2
IBM_TRIRIGA_3_5_License_Usage_Reports.zip	March 16, 2016	63 KB	OM package for platform version 3.5.0 & 3.5.1
editor_image_08ce2201-255b-4421-8658-a746f74e2777.png	March 15, 2016	112 KB	
editor_image_09d091cb-40dd-460d-8d49-8808ced20248.png	March 15, 2016	17 KB	
editor_image_0d5bd882-da4d-482f-892c-17d4002473b8.png	March 15, 2016	125 KB	
editor_image_1058d8a2-70fa-4571-8654-91b8d7fac7e3.png	March 15, 2016	72 KB	
editor_image_96a0e766-da3f-4520-8c1e-339478ea78d0.png	March 15, 2016	36 KB	
editor_image_b81fd8b9-3149-4016-8a01-13fe972f68bd.png	March 15, 2016	104 KB	

editor_image_cde3c617-4270-46ea-818d-c2906e144272.png   March 15, 2016   17 KB

editor_image_fffc5617-de7c-48eb-8bb0-333536d0d08d.png   March 15, 2016   6 KB

Show 10 | 25 | 50 items per page   Previous | Next

Feed for this page | Feed for these attachments