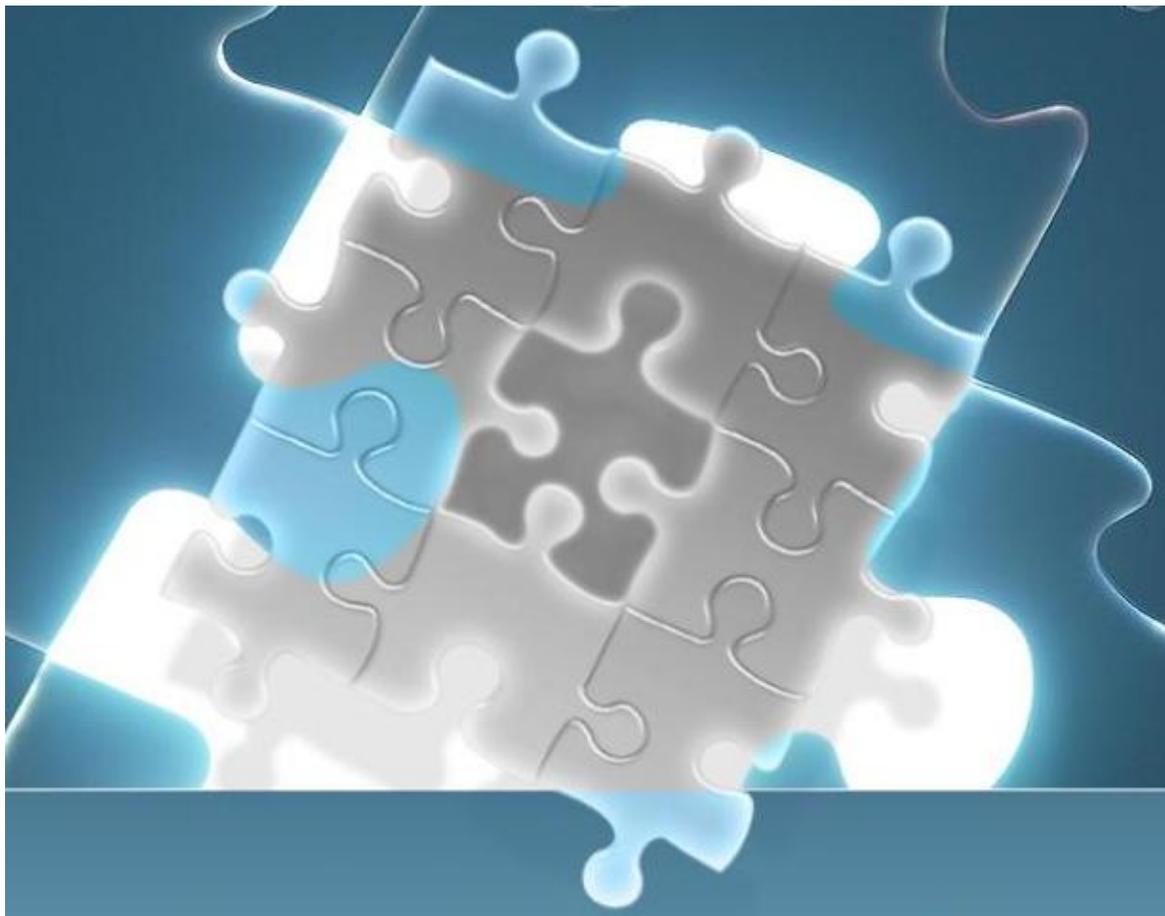




white paper

## Monitoring 'Current' Usage Status in LAMUM

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### Abstract-

Knowing current checkout status of licenses is important.

- a) you can see if anyone is hoarding (sitting) on a license
- b) see if a license is currently available
- c) determine your typical license demand

Of course not every license needs to be monitored this way. But expensive or critical licenses, with contention or "denials", might need to be monitored regularly. The purpose of this white paper is to discuss 2 methods for monitoring current usage status in LAMUM- Favorite and Centralized Monitor.

## “Favorites” Method

LAMUM will allow on-demand access to a specific checkout report by saving the URL of that report as a Favorite in your browser. To do this, you need to be in the UM (:8182) portal. The LAMUM portal (:8181) will require log-in, hence that URL is not usable. If you open a window using the :8182 portal, you can create any Current Usage report. That URL can then be saved as a Favorite. Save the Favorite URL with a “User Friendly” name, and whenever you click on that Favorite you will immediately see that report.

Common Current Usage reports:

- License Server status (Usage/Home)
- Current Overview (Usage/Current/Current Overview)
- Current License Detail (Usage/Current/License Details)

## Current Overview

ID	Feature	Tag	Number Licenses	Licenses in Use	Usage Percentage
72ed5cc(secure)	secure_demo2	6	4	66.67%	
matlab(secure)	secure_demo2	6	4	66.67%	
MATLAB(MATLAB)	matlab_demo2	20	11	55.00%	
MATLAB(MATLAB)	matlab_demo	10	5	50.00%	
NI111001(NI)	NI_demo	10	5	50.00%	
NI111001(NI)	NI_demo	10	5	50.00%	
NI111001(NI)	NI_demo2	15	4	26.67%	
NI111001(secure(NI))	NI_demo2	15	4	26.67%	
MATLAB(MATLAB)	matlab_demo2	15	3	20.00%	

This report shows all licenses currently checked out in descending order of % of capacity. You can “filter” the list by typing in the Filter box. You can filter on any column by clicking Toggle Column Filters. Once you get the desired table/report, save that URL as a Favorite.

## Current License Detail

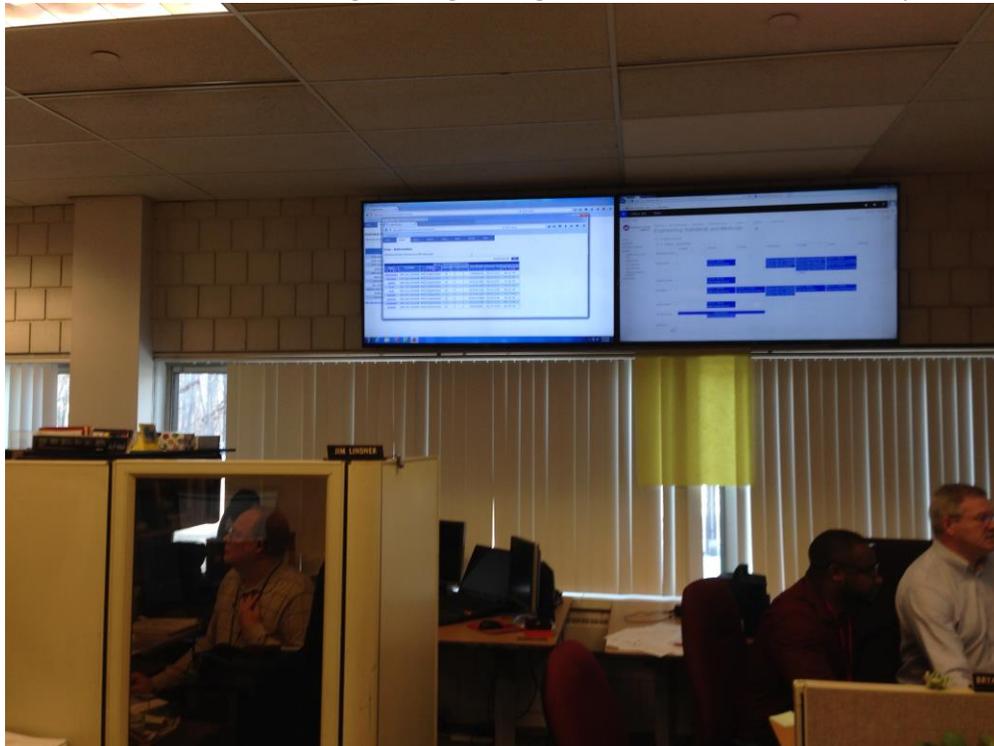
Users	Tag Name	Feature	Licenses Held	Capacity	Total Used	Available	User Machine	Checkout Time	Total Time in Use
msd@msd	matlab_demo2	MATLAB	1	15	8	7	ed67	2016-01-11 12:57	01:29:53
asak@asak	matlab_demo2	MATLAB	1	15	8	7	md65	2016-01-11 13:07	01:29:53
slud	matlab_demo2	MATLAB	1	15	8	7	md61	2016-01-11 13:09	01:21:53
amss	matlab_demo2	MATLAB	1	15	8	7	ed65	2016-01-11 13:18	01:12:53
shil	matlab_demo2	MATLAB	1	15	8	7	ed61	2016-01-11 13:44	00:46:53
md6@msd	matlab_demo2	MATLAB	1	15	8	7	ed69	2016-01-11 13:50	00:40:53
jan@jan	matlab_demo2	MATLAB	1	15	8	7	ed62	2016-01-11 13:59	00:31:53
ed6@msd	matlab_demo2	MATLAB	1	15	8	7	ed66	2016-01-11 14:02	00:28:53

This will allow you to see specific license checkout details including the User ID, Feature capacity, Machine ID, and Total time of checkout (TTOC). TTOC can be sorted from longest to shortest checkout by clicking on the column heading. You can also Filter on any column as described above. Once you get the desired table/report, save that URL as a Favorite.

You could literally have dozens of one-click Current Checkout reports at your fingertips. On-demand reports.

### **“Centralized Checkout Monitoring Center” Method**

Several Customers have invested in a large screen monitor/TV (65”+). The monitor is mounted high on wall, visible to the license/engineering management team. Here is an example of how that might look:



This is ideal if you have a team in the same room or engineering management personal regularly walking by. This is also desirable if you want to impress someone that a) you take license management seriously and b) you can know immediately the status of critical license checkouts. This is very impressive, inexpensive, and if you want to make a name for yourself- DO IT!

To implement this you will need a few things:

1. An inexpensive PC/monitor with access to the LAMUM server
2. A large monitor (65”?), which will be a repeater of the inexpensive PC monitor
3. Firefox browser
4. AnalogX- AutoTab freeware
5. Tab Auto Reload (Mozilla Firefox plug-in)

Total cost should be under \$3k plus installation of large monitor.

Here are the steps to setting this up and running:

1. Install the inexpensive PC and download Firefox
2. Go to AnalogX ([www.analogx.com](http://www.analogx.com)) and download the AutoTab package (<http://www.analogx.com/contents/download/System/autotab/Freeware.htm>) \*
3. Go to Mozilla to get Tab Auto Reload ( <https://addons.mozilla.org/en-US/firefox/addon/tab-auto-reload/>)
4. Configure the AutoTab and Tab Auto Reload with desired LAMUM URL's (use the :8182 portal), and time interval for each (usually 10 seconds per view). Make sure it is in a recycling mode.

#### Here is a write up on AnalogX AutoTab:

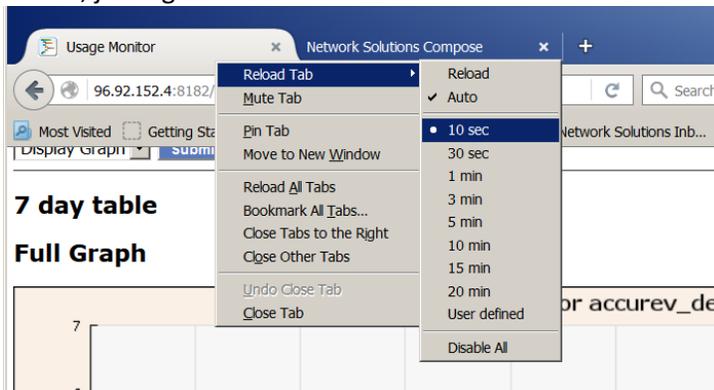
*"Operation is simple – just run the program from the Start Menu, and it will appear on the task bar (on the lower right of the screen in most cases, right by the clock). If the little tab icon is green, then the program will cycle through the open applications at a user specified interval, if it's red, it's disabled; to start it up, simply double-click on the icon.*

*There aren't a whole lot of options, but if you right-click on the icon, you can bring up a menu to get to the configuration dialog – from here you can set the number of seconds it waits before switching to the next window. You may also specify that it should minimize all the windows except the one visible (Minimize Inactive = Enabled), or have it only cycle through the maximized applications one after the other (Minimize Inactive = Disabled)."*

#### Here is a write up on Mozilla Tab Auto Reload:

Tab Auto Reload is also straightforward. Just download the tool from the link. It will automatically be added to your Mozilla browser and then it will ask you to restart the browser when it is done.

To use, just right mouse click on the tab and choose a reload time option.



A good sequence might be:

1. License Server status (Usage/Home page)
  2. Current Overview (Usage/Current/Overview)
  3. Filtered Current Overview (filtered on most critical Tags)
  4. User Details, sorted by longest checkout, on most critical App
  5. User Details, sorted by longest checkout, on 2<sup>nd</sup> most critical App, etc
- Play around with it until you have the desired views, sequence and timing interval.

Show it off with pride!

Good luck.

\* AnalogX AutoTab is a product of AnalogX. Tab Auto Reload is a product of Mozilla. TeamEDA is not responsible for AnalogX or Mozilla products. For technical support contact AnalogX or Mozilla.

Please call for more information or a technical support on TeamEDA products please call 603-656-5200 or [info@teameda.com](mailto:info@teameda.com)

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