



white paper

## Current Checkouts Reporting in LAMUM

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### Abstract-

Knowing current checkout status of licenses is very 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 3 methods for reporting current usage status in LAMUM- Favorite, Dashboard, and Control

Center Method. But first we want to explain the 3 ways for showing Current Checkouts: Checkouts Overview, Checkouts Gauge Display, and Checkouts Detail by Tool

## Checkouts Overview

### Overview Information

Following is the list of licenses currently being used. Licenses with zero usage omitted.

AutoRefresh Off -

<input type="checkbox"/> Gauge display select	Feature	Tag	Number licenses	Licenses in use	Usage Percentage
<input type="checkbox"/>	<a href="#">NX13100N(NX)</a>	NX-demo2	15	15	100.00%
<input type="checkbox"/>	<a href="#">NX13100N_gateway(NX)</a>	NX-demo2	15	15	100.00%
<input type="checkbox"/>	<a href="#">MATLAB(MATLAB)</a>	matlab_demo2	15	14	93.33%
<input type="checkbox"/>	<a href="#">MATLAB(MATLAB)</a>	matlab_demo3	20	14	70.00%
<input type="checkbox"/>	<a href="#">MATLAB(MATLAB)</a>	matlab_demo	10	6	60.00%
<input type="checkbox"/>	<a href="#">TestAccu(accurev)</a>	accurev__demo	6	3	50.00%
<input type="checkbox"/>	<a href="#">replica(accurev)</a>	accurev__demo	6	3	50.00%
<input type="checkbox"/>	<a href="#">NX13100N(NX)</a>	NX_demo	10	1	10.00%
<input type="checkbox"/>	<a href="#">NX13100N_gateway(NX)</a>	NX_demo	10	1	10.00%

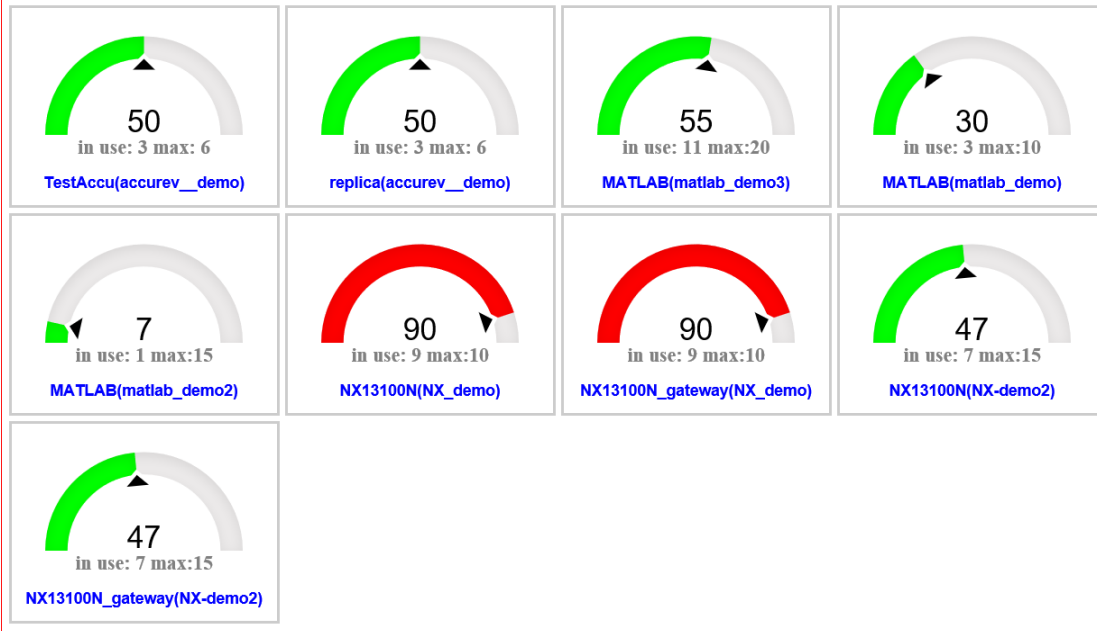
[Edit color thresholds.](#)

This shows every feature currently checked out, sorted by % of capacity. It shows feature name, Tag name, Number Licenses (capacity), Licenses in use, and Usage %. The % and color settings are user definable. This table can be sorted by clicking on the column heading, or filtered using the general filter box or the Column filters (Toggle Column filters). The boxes on left are used to select features for displaying as Gauges. This can auto-refresh at every lmsat cron interval if "Auto-fresh" is turned on.

## Checkouts Gauge Display

### Current Overview Gauge display in percentage (%)

Following is the list of licenses currently being used. Licenses with zero usage omitted



These gauges are selected in the Overview Table, or you can just click on the “Current Overview Gauge Display” on the Current Tab dropdown. The gauges will auto-size based on your resolution and display size if you open it in the :8182 view. This display will auto-refresh at every lmsstat cron interval.

## Checkout Detail by Tool

### NX - Information

Following is the list of licenses currently being used.

[Send Group Email](#) (Active Directory must be set up)

AutoRefresh Off - [Start](#)

[First](#) [Prev](#) 1 - 9 / 9 (9) [Next](#) [Last](#)

[Reset Filter\(s\)](#)

[Toggle Column Filters](#)

Server:28000@Server2003(NX)

Users	Tag Name	Feature	Licenses Held	Capacity	Total Used	Available	Borrowed Duration	User Machine	Checkout Time	Total Time in Use
<a href="#">wilbur_shaw</a>	NX_demo	NX13100N	1	10	9	1	No	eda6	2018-03-22 08:01	02:09:33
<a href="#">bmclaren</a>	NX_demo	NX13100N	1	10	9	1	No	eda10	2018-03-22 08:05	02:05:33
<a href="#">bbaker</a>	NX_demo	NX13100N	1	10	9	1	No	mda3	2018-03-22 08:17	01:53:33
<a href="#">ssavage</a>	NX_demo	NX13100N	1	10	9	1	No	mda5	2018-03-22 08:35	01:35:33
<a href="#">tnuvolari</a>	NX_demo	NX13100N	1	10	9	1	No	eda4	2018-03-22 09:31	00:39:33
<a href="#">smoss</a>	NX_demo	NX13100N	1	10	9	1	No	eda5	2018-03-22 09:45	00:25:33
<a href="#">paul_newman</a>	NX_demo	NX13100N	1	10	9	1	No	eda3	2018-03-22 09:54	00:16:33
<a href="#">prodriquez</a>	NX_demo	NX13100N	1	10	9	1	No	mda4	2018-03-22 09:55	00:15:33
<a href="#">kirwin</a>	NX_demo	NX13100N	1	10	9	1	No	mda8	2018-03-22 09:58	00:12:33

This table lists every checkout, User ID, Tag, Feature name, Capacity, User Machine, Checkout Time, and Total Time in Use, sorted from longest checkout to shortest checkout. There are 3 ways to get this report:

1. by selecting the Tool from the “Current” tab dropdown, then [Details](#)
2. by selecting the [blue](#) Feature name in the Current Overview, then [Details](#)
3. by selecting the [blue](#) Feature name in the Gauge Display, then [Details](#)

Now let’s look at the 3 methods of accessing the Current checkout reports:

- Favorite Method
- Dashboard Method
- Control Center Method

## “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

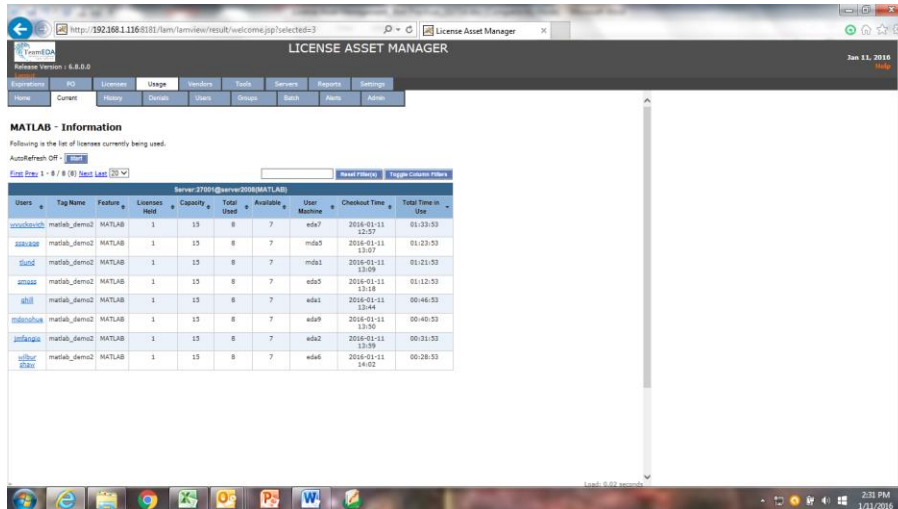
Overview Information  
Following is the list of licenses currently being used. Licenses with zero usage omitted.  
AutoRefresh: Off  [Filter](#)

ID	Feature	Tag	Number Licenses	Licenses in use	Usage Percentage
3240502d3d30c9a1	arcserve_demo2	arcserve_demo2	6	4	66.67%
1607548194751481	arcserve_demo2	arcserve_demo2	6	4	66.67%
1617548194751481	matlab_demo2	matlab_demo2	20	11	55.00%
1617548194751481	matlab_demo2	matlab_demo2	10	5	50.00%
161240007631	RIX_demo	RIX_demo	10	5	50.00%
16111001_sam-user7631	RIX_demo	RIX_demo	10	5	50.00%
161240007631	RIX_demo2	RIX_demo2	15	4	26.67%
16111001_sam-user7631	RIX_demo2	RIX_demo2	15	4	26.67%
1617548194751481	matlab_demo2	matlab_demo2	15	3	20.00%

Click color thresholds.

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” in your browser.

## Current License Detail



The screenshot shows the License Asset Manager interface. The main content area displays a table titled "MATLAB - Information" with the following data:

Users	Tag Name	Feature	Licenses Held	Capacity	Total Uses	Available	User Machine	Checkout Time	Total Time in Use
mschoban	matlab_demo2	MATLAB	1	15	8	7	edw7	2016-01-11 13:27	01:23:53
asubakar	matlab_demo2	MATLAB	1	15	8	7	mds5	2016-01-11 13:07	01:23:53
stard	matlab_demo2	MATLAB	1	15	8	7	mds1	2016-01-11 13:09	01:21:53
stasap	matlab_demo2	MATLAB	1	15	8	7	eds5	2016-01-11 13:18	01:12:53
shil	matlab_demo2	MATLAB	1	15	8	7	eds1	2016-01-11 13:44	00:46:53
mschoban	matlab_demo2	MATLAB	1	15	8	7	eds9	2016-01-11 13:05	00:40:53
indraga	matlab_demo2	MATLAB	1	15	8	7	eds2	2016-01-11 13:09	00:31:53
vijayaraj	matlab_demo2	MATLAB	1	15	8	7	eds6	2016-01-11 14:02	00:28:53

Once you get the desired table/report, save that URL as a "Favorite" in your browser.

You can literally have dozens of one-click Current Checkout reports at your fingertips.

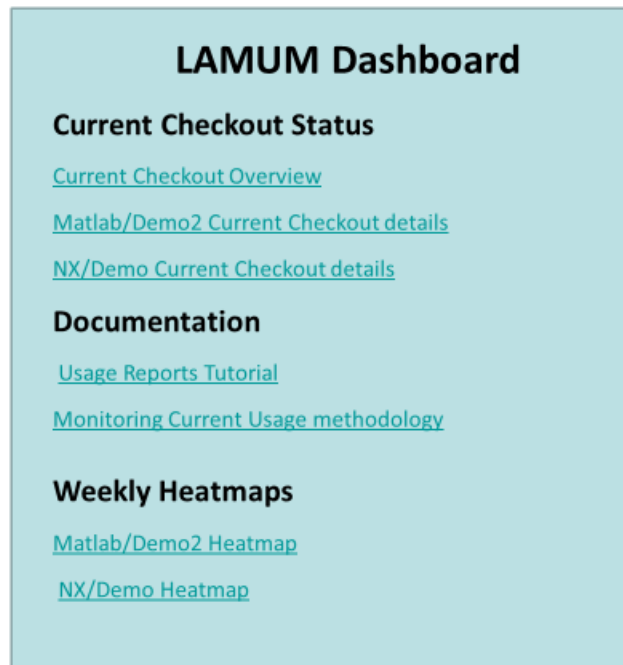
## User Dashboard Method

Another option is to have all these one-click (hyperlink) reports in one place- a User Dashboard



- SharePoint
- Google Docs
- PDF/Word
- Anything that can handle hyperlinks

Based on URL



**LAMUM Dashboard**

**Current Checkout Status**

- [Current Checkout Overview](#)
- [Matlab/Demo2 Current Checkout details](#)
- [NX/Demo Current Checkout details](#)

**Documentation**

- [Usage Reports Tutorial](#)
- [Monitoring Current Usage methodology](#)

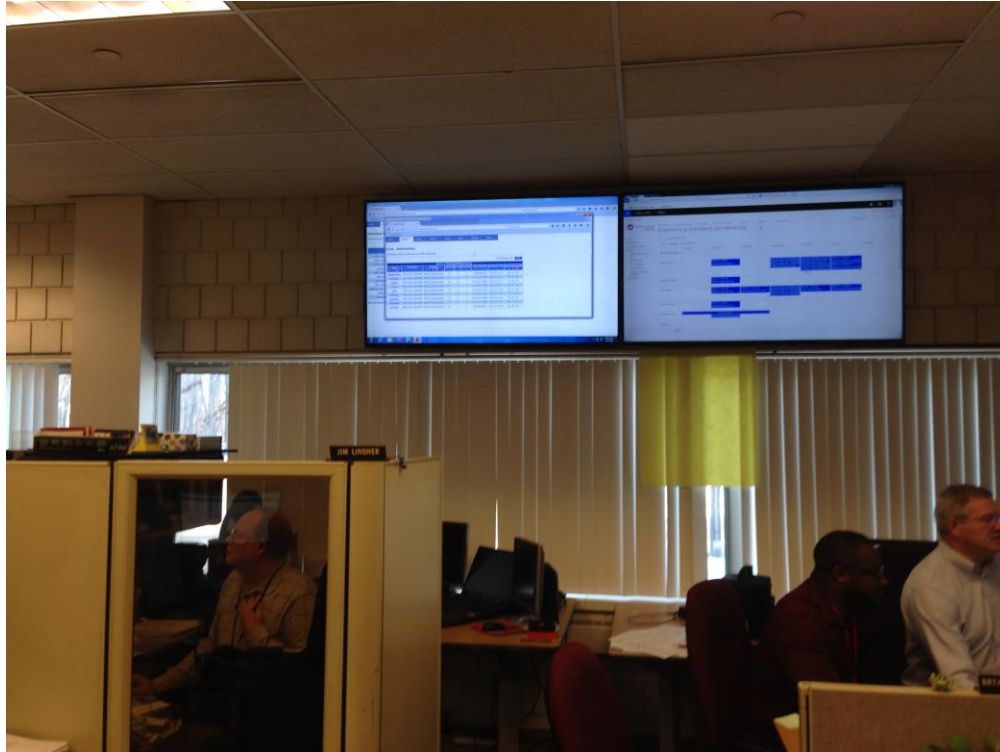
**Weekly Heatmaps**

- [Matlab/Demo2 Heatmap](#)
- [NX/Demo Heatmap](#)

You can make multiple Dashboards, for specific Users or Managers. These include hyperlinks to all the necessary Current Usage Reports. There is a white paper at [www.teameda.com/Resources](http://www.teameda.com/Resources) called "Creating a User Dashboard" which gives more detail on how to set these up.

## “Control Center” Checkout Monitoring 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:

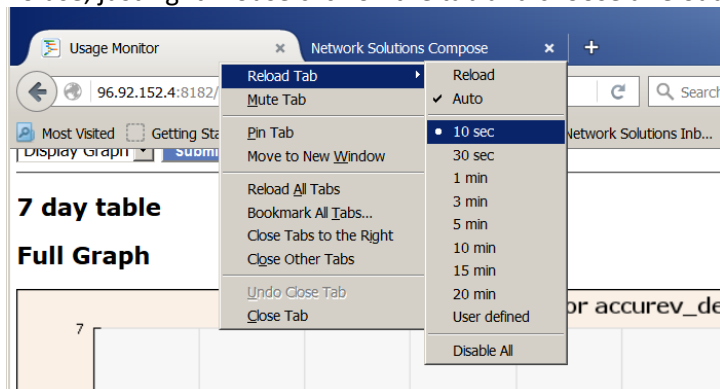
*"Operation is simple – just run the program from the Start Menu, and it will appear on the task bar (on the lower right of the screen in most cases, right by the clock). If the little tab icon is green, then the program will cycle through the open applications at a user specified interval, if it's red,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