

License Asset Manager 7.0 with Usage Monitoring (LAMUM)

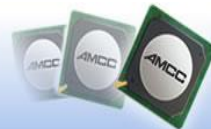
A Brief Overview

Customers



The Power of Dreams

The



LAMUM

A Comprehensive Solution for License Management

- A centralized, shared, protected relational database for Vendor, Tool, and License information
- A 'License Inventory' management system
- A 'Contact' management system (Vendor and Internal)
- A 'Warning' system (Alerts)
- A Usage monitoring and reporting tool
- A 'Compliance' validation system
- A Decision-support system
 - Based on what you already have, actual and average software usage

“LAMUM”

- LAM (Asset Management).....secured
 - Asset/Inventory management
 - Vendor, Tool, and Renewal information
 - Contact management
 - Compliance assurance
- UM (Usage Monitoring).....direct access
 - Current checkout status
 - Historical usage reports
 - Users and Groups Detail reports
 - Batch reports
 - Threshold alerts

License types supported

- FlexLM
- Reprise
- Sentinel
- LUM
- DSLS
- Altium
- LM-X
- Windchill

License information

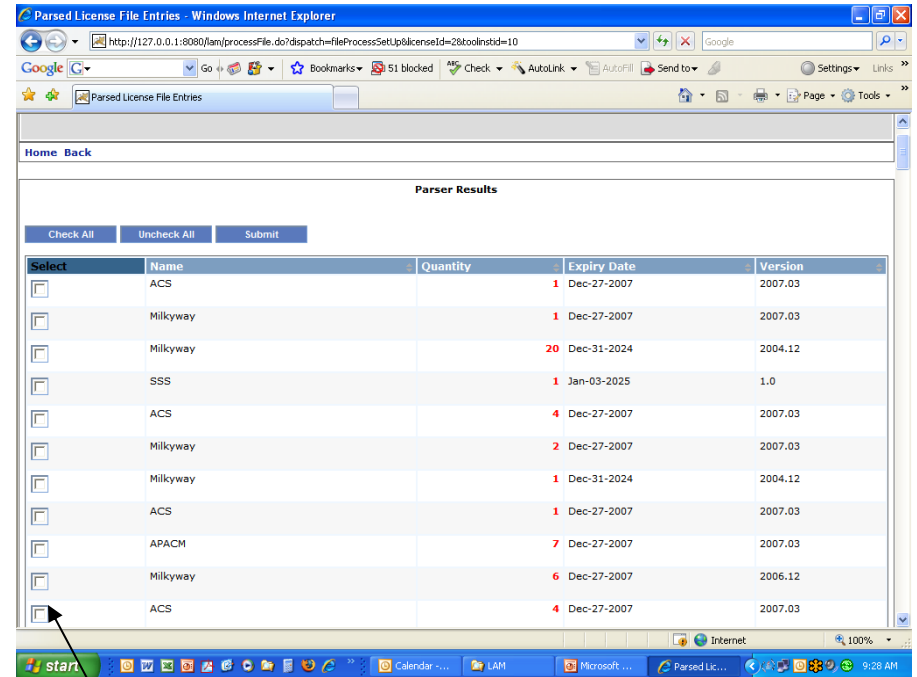
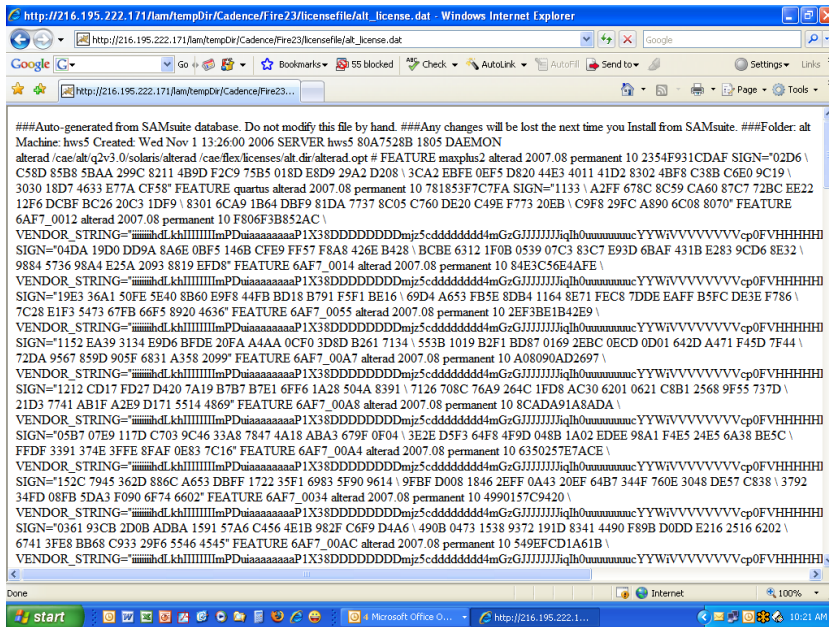
- Vendor, Tool name, quantity (# seats)
- Date acquired
- Renewal date of contract (if desired)
- Costs and associated PO (if desired)
- Restriction (WAN, LAN, Node,.....*)
- Purchase type (Subscription, Perpetual,.....*)
- “Responsible Person”
- Associated FlexLM License
 - Server (host), port, daemon, Tag*

* User defined

FlexLM License file parser (“FlexParser”)

From this.....

To this



Verify Tools, quantity, version, and expirations

‘Check’ Features you wish to track in UM, and these will map to a specific tool. Auto-Import server, daemon, and port info

What makes LAMUM different:

- Track inventory at the “Tool” level
- Track associated people!
- Connect directly to license file or port@host
- Tool-Feature mapping
 - Selective feature monitoring
 - Or track all features at a port@host
- Feature Name aliasing

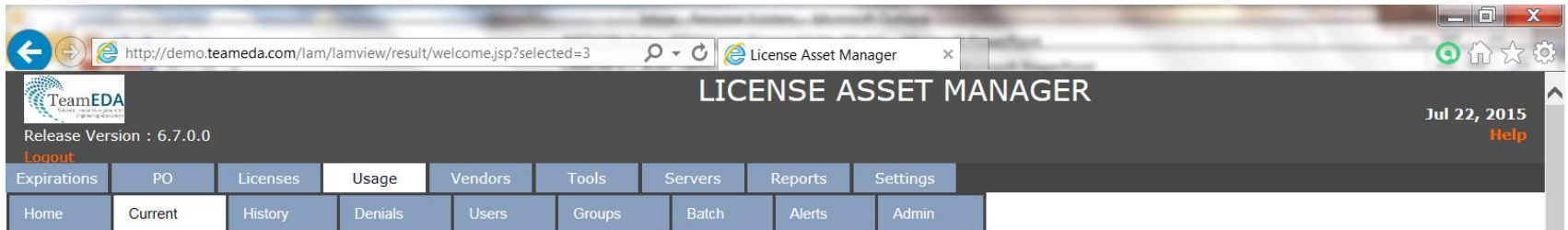
3 ways of creating Usage Reports

- **Interactive-** browse the reports until you find what you want
- **On-demand** (“Favorite”)- a direct link to commonly used reports
- **Batch Reports-** automatic Weekly, Monthly, Quarterly,.... (emailed or deposited to a specific location)

Current Checkout Status

- View current status of a Tool, Tag and a Feature
- Color-coded “Overview” page
- Filtering to specific Tools
- Easily create “Favorite” views
 - URL portal for Casual Viewers
- Link to Active Directory/LDAP
- with Auto-refresh (keep a window open all the time for critical licenses!)

Current Overview: color-coded by % of capacity



Overview Information

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

AutoRefresh Off -

<input checked="" type="checkbox"/>	Feature	Tag	Number licenses	Licenses in use	Usage Percentage
<input type="checkbox"/>	NX13100N(NX)	NX-demo2	15	15	100.00%
<input type="checkbox"/>	NX13100N_gateway(NX)	NX-demo2	15	15	100.00%
<input type="checkbox"/>	NX13100N(NX)	NX_demo	10	9	90.00%
<input type="checkbox"/>	NX13100N_gateway(NX)	NX_demo	10	9	90.00%
<input type="checkbox"/>	MATLAB(MATLAB)	matlab_demo	10	8	80.00%
<input type="checkbox"/>	accurev-ent(accurev)	accurev_demo2	6	3	50.00%
<input type="checkbox"/>	MATLAB(MATLAB)	matlab_demo2	15	7	46.67%
<input type="checkbox"/>	MATLAB(MATLAB)	matlab_demo3	20	8	40.00%

[Edit color thresholds.](#)



Current Usage Details

Usage Monitor - Internet Explorer, optimized for Bing and MSN

http://demo.teameda.com:8182/lammonitor/realtime/details/2/1

Home Current History Concurrency Users Admin

MATLAB License in Detail

Following is the list of licenses currently being used.

Server:27000@Server2003(MATLAB)

Users		Tag Name	Feature		Capacity	In Use	Available	User Machine	Checkout Time	Total Time in Use	
up	down		up	down						up	down
revans		matlab_demo	MATLAB		10	10	0	eda8	Tue 7/23 10:24	0h, 8', 10"	
ssavage		matlab_demo	MATLAB		10	10	0	mda5	Tue 7/23 10:08	0h, 24', 10"	
mdonohue		matlab_demo	MATLAB		10	10	0	eda9	Tue 7/23 8:33	1h, 59', 10"	
afoyte		matlab_demo	MATLAB		10	10	0	mda6	Tue 7/23 8:57	1h, 35', 10"	
rvogler		matlab_demo	MATLAB		10	10	0	mda7	Tue 7/23 9:51	0h, 41', 10"	
plnewman		matlab_demo	MATLAB		10	10	0	eda3	Tue 7/23 9:38	0h, 54', 10"	
wshaw		matlab_demo	MATLAB		10	10	0	eda6	Tue 7/23 9:29	1h, 3', 10"	
tнувolari		matlab_demo	MATLAB		10	10	0	eda4	Tue 7/23 10:10	0h, 22', 10"	
prodriquez		matlab_demo	MATLAB		10	10	0	mda4	Tue 7/23 8:37	1h, 55', 10"	
lpetty		matlab_demo	MATLAB		10	10	0	mda2	Tue 7/23 9:45	0h, 47', 10"	

Sort longest to shortest

Link to Active Directory

Internet 100%

start | Inbox - Micros... | 2 Internet Ex... | LAM | Microsoft Powe... | 98% | 10:32 AM

Historical Usage Reports

- By Tool, Tag, Feature, User, Group
- Last 7, 30, 90, 365 days, or any custom time period
- Total license capacity (red line)
- Filtered, Actual and/or Average graphs
- Top 10 Users: Check-out count (pie-chart)
- Top 10 Users: Check-out duration (pie-chart)
- Easily created “Favorite” views
 - URL portal for Casual Users, Managers,...
- Graphs are .jpg images

History graph

License Asset Manager - Internet Explorer, optimized for Bing and MSN

http://demo.teameda.com/lam/lamview/result/welcome.jsp?selected=3

ipad mini yoke mount

Account Manager Software License Asset Man... License Asset Manager

LICENSE ASSET MANAGER

Release Version : 6.0.0
Logout

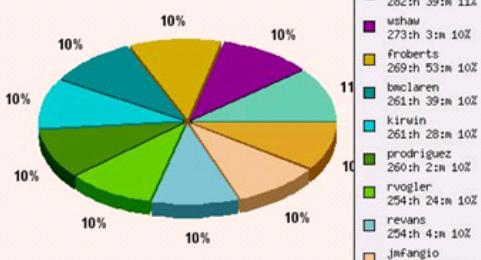
Jun 10, 2013
Help

Alerts PO Licenses **Usage** Vendors Tools Servers Reports Settings



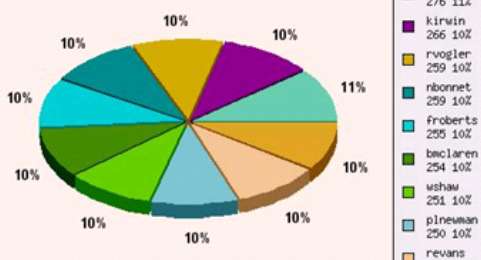
Checkout Duration for NX13100N from May-10-2013 to Jun-09-2013

Licensee	Duration (h:m)	Percentage
tlund	282h 39m 11s	10%
ushaw	273h 3m 10s	10%
Proberts	269h 53m 10s	10%
baclaren	261h 39m 10s	10%
kirwin	261h 28m 10s	10%
prodriguez	260h 2m 10s	10%
rvogler	254h 24m 10s	10%
revans	254h 4m 10s	10%
jafangio	253h 30m 10s	10%



Checkout Count for NX13100N from May-10-2013 to Jun-09-2013

Licensee	Count	Percentage
tlund	276	11%
kirwin	266	10%
rvogler	259	10%
ribonnet	259	10%
Proberts	255	10%
baclaren	254	10%
ushaw	251	10%
pinewman	250	10%
revans	246	10%

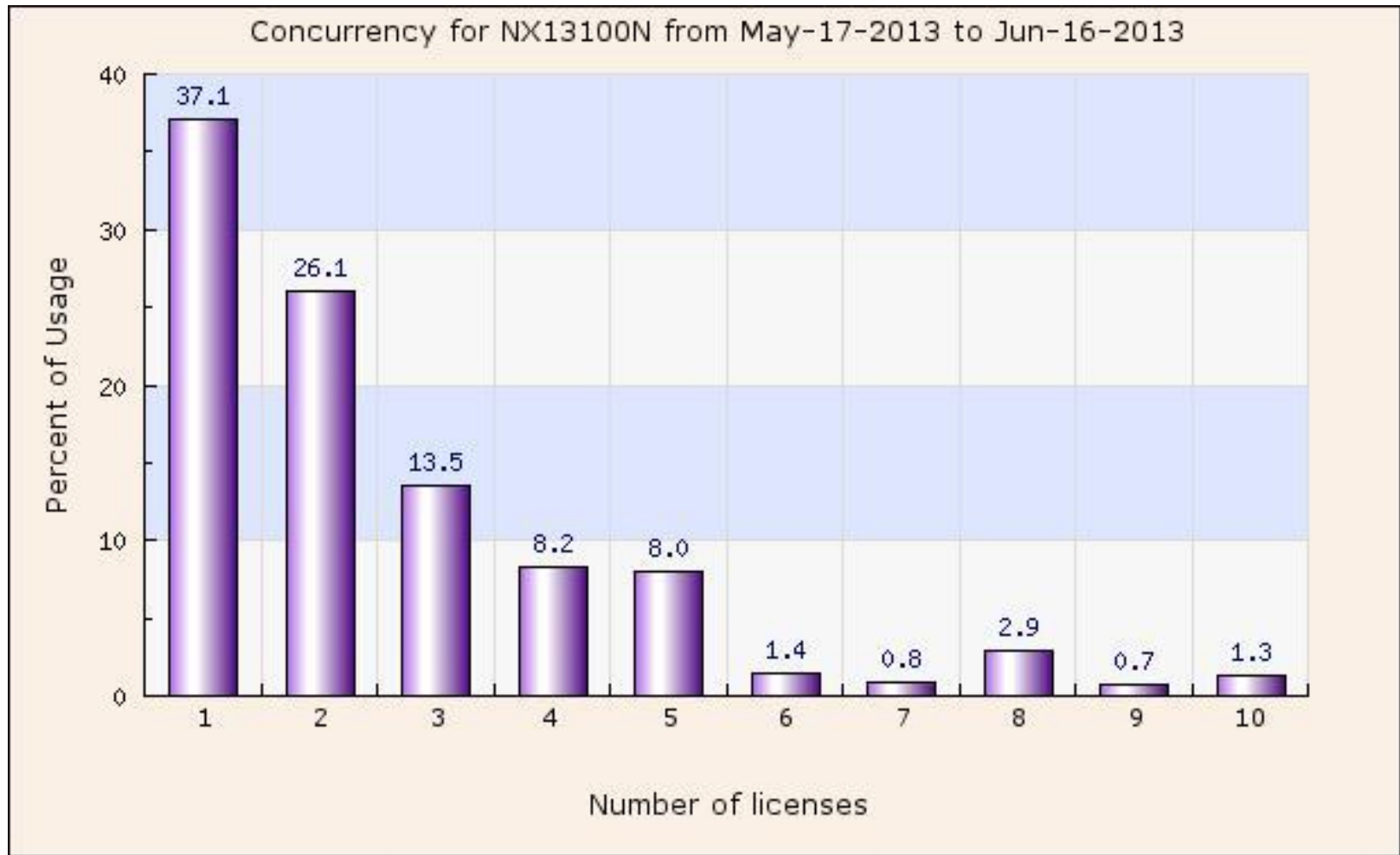


Done

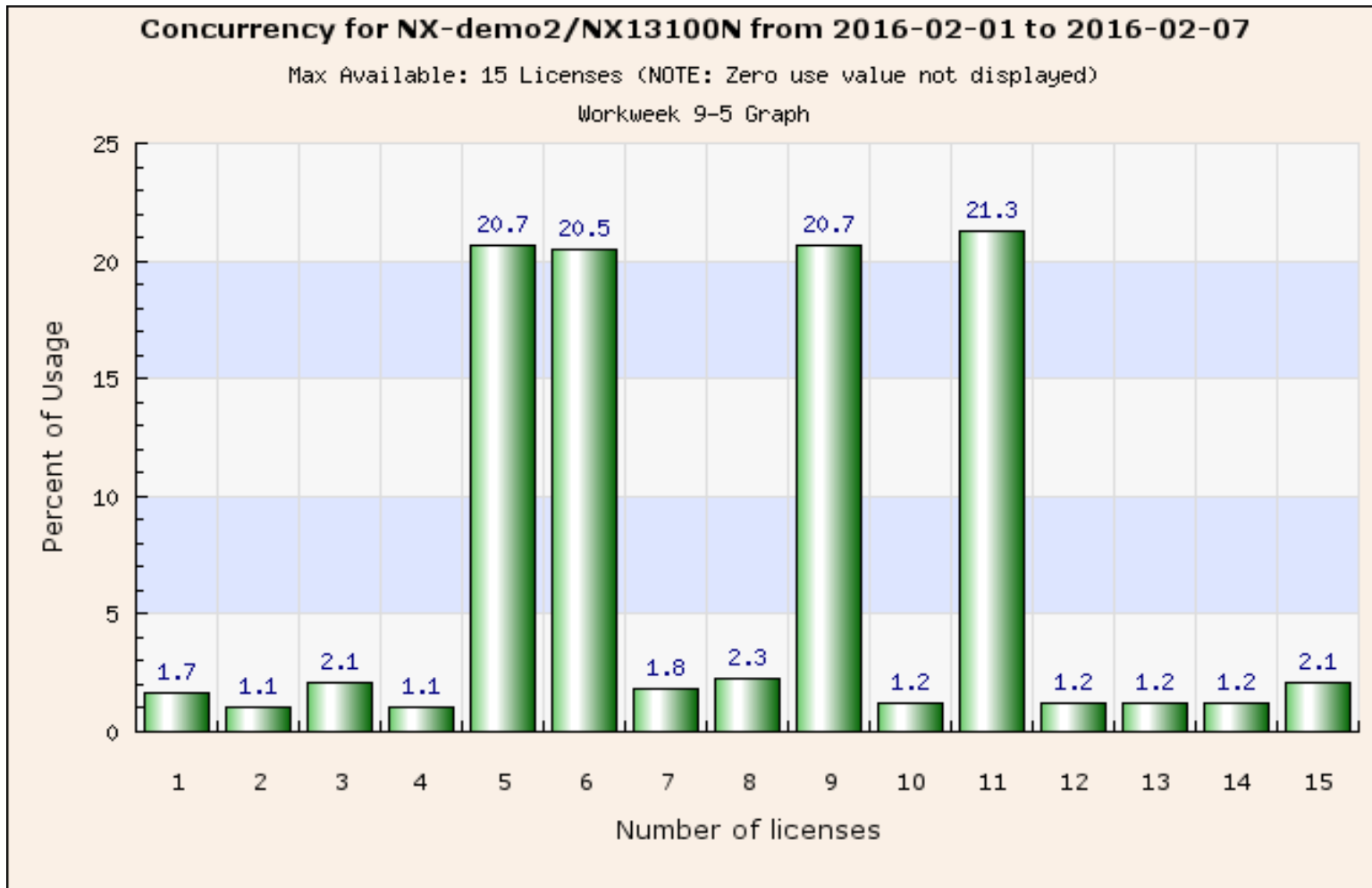
Internet 75%

start 3 Microsoft O... 2 Internet Ex... LAM Microsoft Powe... 100% 1:36 PM

Concurrent-use graph (24x7)



Concurrent-use graph (M-F, 9-5)



Concurrent-use graph (Custom time period)

Concurrency Graph for Feature: accurev-ent

Select Graph Type

- 24/7 Concurrency Graph
- Custom Time Concurrency Graph

Start Time End Time

8:00 AM ▼ 5:00 PM ▼

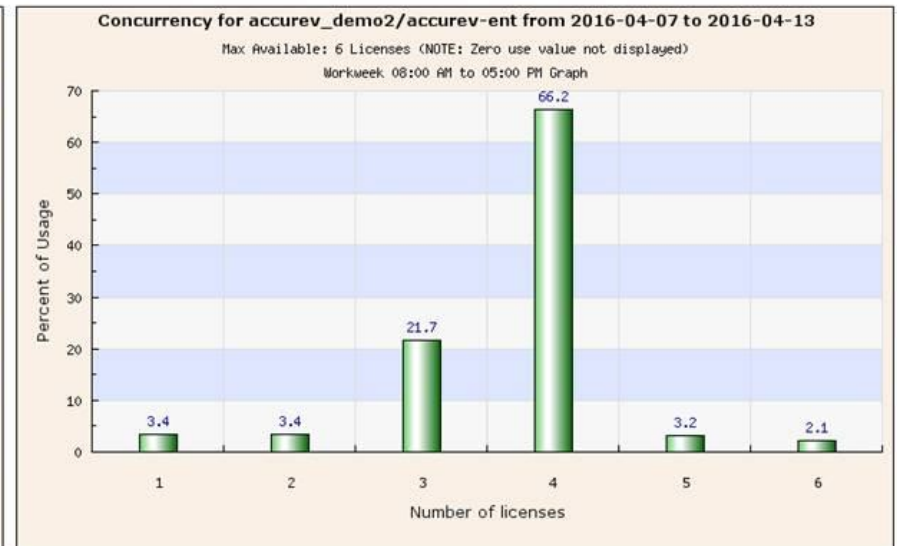
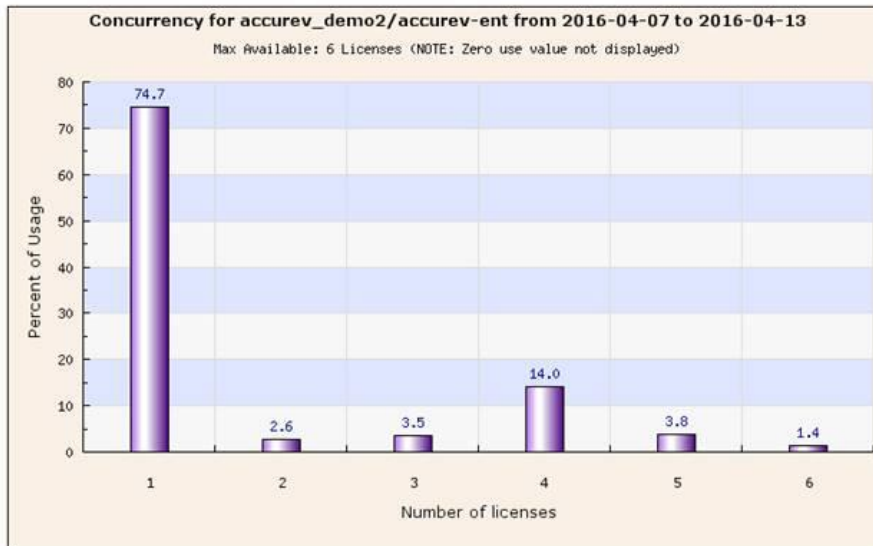
[Change Default Times](#)

Select Time Period(s)

- Today's Graph
- 7 Day Graph
- 30 Day Graph
- 90 Day Graph
- 365 Day Graph
- Custom: From: To:

Display Graph ▼

7 Day Graph



Zero-Usage Report

- Home
- Current
- History
- Denials
- Users
- Groups
- Batch

Zero Usage Report

This report displays all features that have had zero user activity reported in a given time span.

Select Time Period

- Today's Table
 7 Day Table
 30 Day Table
 90 Day Table
 365 Day Table
 Custom: From: To:

Display Report

[First](#) [Prev](#) 1 - 20 / 51 (51) [Next](#) [Last](#)

Zero Usage Report Starting 2016-04-17 through 2016-04-24			
Tool Name	Tag Name	Feature Name	
NX	NX_demo	ideas_integration	
NX	NX_demo	nx_integration	
NX	NX_demo	nx_nas_bn_basic_dsk	
NX	NX_demo	teamcenter_admin	
NX	NX_demo	teamcenter_designer	
NX	NX_demo	visview_base	
NX	NX_demo	server_id	
NX	NX_demo	NX13100N_3d_to_2d_flattener	
NX	NX_demo	NX13100N_adv_assemblies	
NX	NX_demo	NX13100N_assemblies	
NX	NX_demo	NX13100N_design_studio	
NX	NX_demo	NX13100N_drafting	
NX	NX_demo	NX13100N_dxf_to_ug	
NX	NX_demo	NX13100N_dxfdwg	
NX	NX_demo	NX13100N_features_modeling	
NX	NX_demo	NX13100N_free_form_modeling	
NX	NX_demo	NX13100N_geometric_tol	
NX	NX_demo	NX13100N_grip_execute	
NX	NX_demo	NX13100N_iges	
NX	NX_demo	NX13100N_nc_external_program	

Usage Detail reports

- User Detail report
 - Features used by any specific User for Last 7, 30, 90, 365 days, or custom time period
- Group Detail report
 - “Group” can be a Project team, a Site, a Manager name,.....
 - Features used by any specific Group for Last 7, 30, 90, 365 days, or custom time period
- Export to Excel

“User” Detail Report

Usage Monitor - Internet Explorer, optimized for Bing and MSN

http://demo.teameda.com:8182/lammonitor/users/details/

Usage Monitor

User History:

Back to [Home](#)

Select Time Period(s)

Today's Table
 7 Day Table
 30 Day Table
 90 Day Table
 365 Day Table
 Custom Table: From: [17-Jul-2013](#) To: [23-Jul-2013](#)

Select Single User

Usage History Starting 2013-07-15 through 2013-07-22				
User Name	Feature Name	Checkout Date	Checkout Time	Checkout Duration
mdonohue	MATLAB	2013-07-18	08:03:00	1:h 57:m
mdonohue	MATLAB	2013-07-15	08:40:00	1:h 47:m
mdonohue	MATLAB	2013-07-22	12:43:00	1:h 47:m
mdonohue	MATLAB	2013-07-22	14:25:00	1:h 35:m
mdonohue	MATLAB	2013-07-19	09:58:00	1:h 32:m
mdonohue	MATLAB	2013-07-22	07:30:00	1:h 30:m
mdonohue	MATLAB	2013-07-15	07:15:00	1:h 15:m
mdonohue	MATLAB	2013-07-17	09:17:00	1:h 13:m
mdonohue	MATLAB	2013-07-18	14:49:00	1:h 11:m
mdonohue	MATLAB	2013-07-19	05:55:00	1:h 5:m
mdonohue	MATLAB	2013-07-22	10:26:00	1:h 4:m
mdonohue	MATLAB	2013-07-18	12:56:00	1:h 4:m
mdonohue	MATLAB	2013-07-18	12:27:00	1:h 3:m
mdonohue	MATLAB	2013-07-15	13:57:00	1:h 3:m
mdonohue	MATLAB	2013-07-22	06:28:00	1:h 2:m
mdonohue	MATLAB	2013-07-18	05:02:00	0:h 58:m
mdonohue	MATLAB	2013-07-17	07:03:00	0:h 57:m
mdonohue	MATLAB	2013-07-18	12:08:00	0:h 52:m

Done

Internet 100%

start | Inbox - Micros... | 2 Internet Ex... | LAM | Microsoft Powe... | 98% | 10:33 AM

Excel export, with “total minutes”

“Group” Detail Report

License Asset Manager - Windows Internet Explorer

http://192.168.1.106:8181/lam/lamview/result/welcome.jsp?selected=3

File Edit View Favorites Tools Help

License Asset Manager

Group Details:

Back to [Home](#)

Select Time Period(s)

Today's Table
 7 Day Table
 30 Day Table
 90 Day Table
 365 Day Table
 Custom Table: From: [28-Mar-2014](#) To [03-Apr-2014](#)

Select Single Group

Site 101

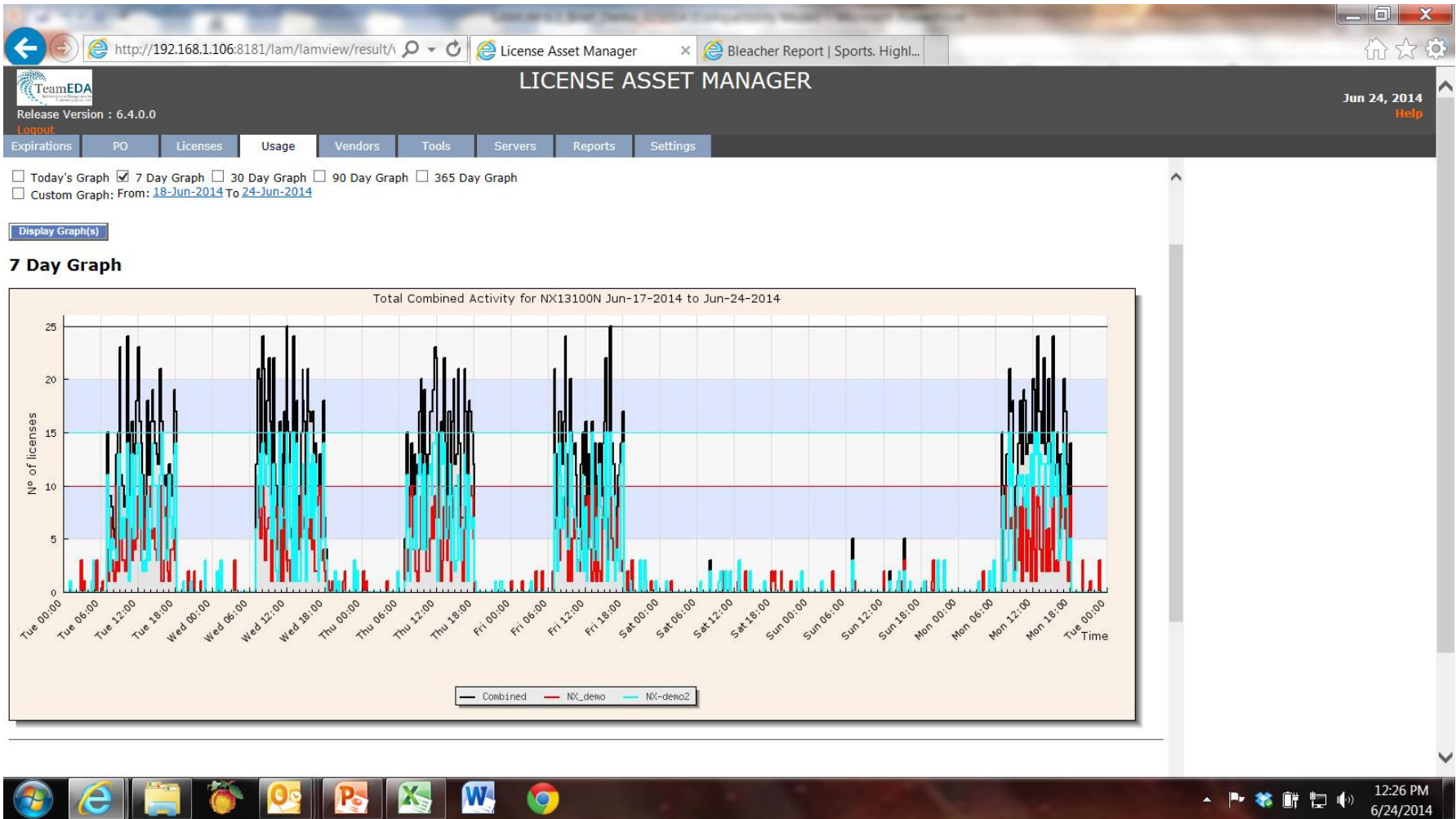
Group Name	Username	Feature Name		Checkout Date		Checkout Time	Total Usage	
		up	down	up	down		up	down
Site 101	mdonohue	MATLAB		2014-04-03		06:26:00	0:h	49:m
Site 101	nbonnet	MATLAB		2014-04-03		06:43:00	0:h	17:m
Site 101	nbonnet	MATLAB		2014-04-03		07:25:00	0:h	5:m
Site 101	smoss	MATLAB		2014-04-03		03:44:00	0:h	1:m
Site 101	ssavage	MATLAB		2014-04-03		06:47:00	0:h	28:m
Site 101	ssavage	MATLAB		2014-04-03		04:12:00	1:h	18:m
Site 101	vwuckovich	MATLAB		2014-04-03		04:55:00	1:h	35:m
Site 101	afoyte	NX13100N		2014-04-03		06:16:00	0:h	59:m
Site 101	plnewman	NX13100N		2014-04-03		07:28:00	0:h	2:m
Site 101	plnewman	NX13100N		2014-04-03		06:19:00	0:h	56:m
Site 101	smoss	NX13100N		2014-04-03		06:04:00	0:h	56:m

Done

Internet 100%

start Microsoft Office O... Microsoft PowerPoint ... License Asset Manag... 96% 7:37 AM

Combined-feature graph (same feature, multiple servers)



Multiple-feature graph

(Multiple features, same port@host)

- Home
- Current
- History
- Denials
- Users
- Batch
- Groups

Multiple Feature U

- Averages
- Combined Features
- Multiple Features**

Select Features

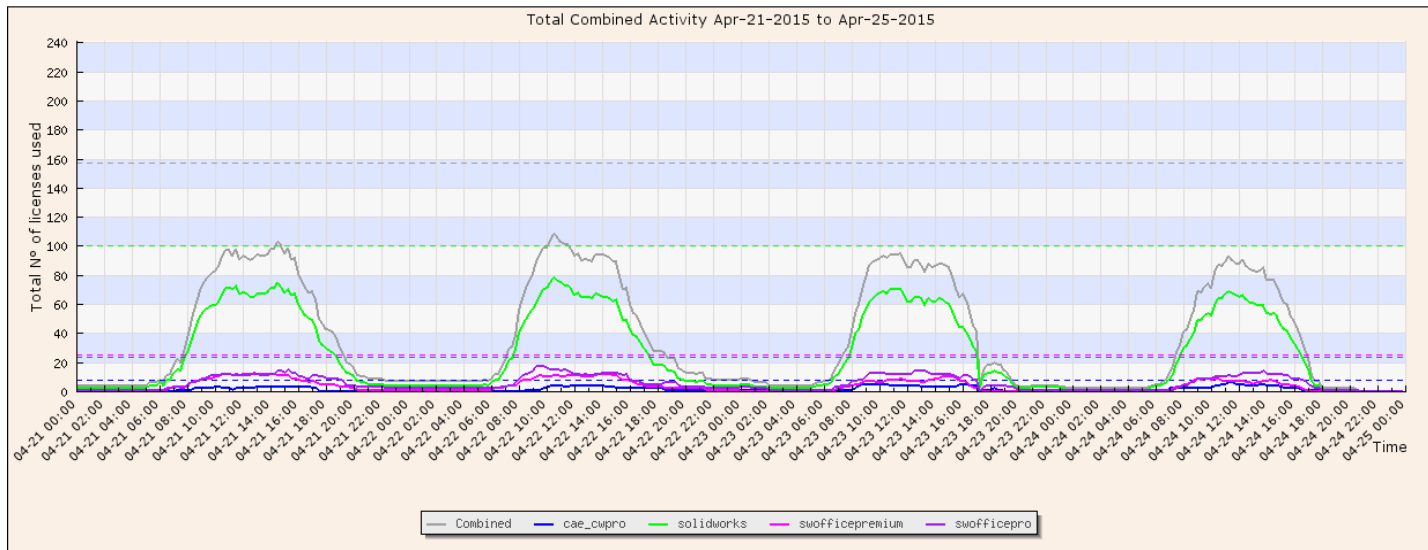
- | | | |
|---|---|---|
| <input type="checkbox"/> cae_cosmosfloworkspe | <input type="checkbox"/> cae_cwadvpro | <input checked="" type="checkbox"/> cae_cwpro |
| <input type="checkbox"/> dwgeditor | <input type="checkbox"/> elec2d | <input type="checkbox"/> elec3d |
| <input type="checkbox"/> piping | <input checked="" type="checkbox"/> solidworks | <input type="checkbox"/> swcomposer |
| <input type="checkbox"/> swepdm_cadeditorandweb | <input type="checkbox"/> swepdm_processor | <input type="checkbox"/> swmbd_std |
| <input type="checkbox"/> swoffice | <input checked="" type="checkbox"/> swofficepremium | <input checked="" type="checkbox"/> swofficepro |

Select Time Period(s)

- Today's Graph
 7 Day Graph
 30 Day Graph
 90 Day Graph
 365 Day Graph
 Custom Graph: From: 2015-04-21 To: 2015-04-25

[Display Graph\(s\)](#)

Custom Graph





Comprehensive Checkouts Report (short checkouts)

Expirations	PO	Licenses	Usage	Vendors	Tools	Servers	Reports	Settings	
Home	Current	History	Denials	Users	Groups	Batch	Alerts	Parsers	Admin

Comprehensive Checkout Details:

Back to [Home](#)

License Selection

MATLAB(matlab_demo) 27000@Server2003

Select Time Period

Today's Table
 7 Day Table
 30 Day Table
 90 Day Table
 365 Day Table

Custom: From: To:

Display Report

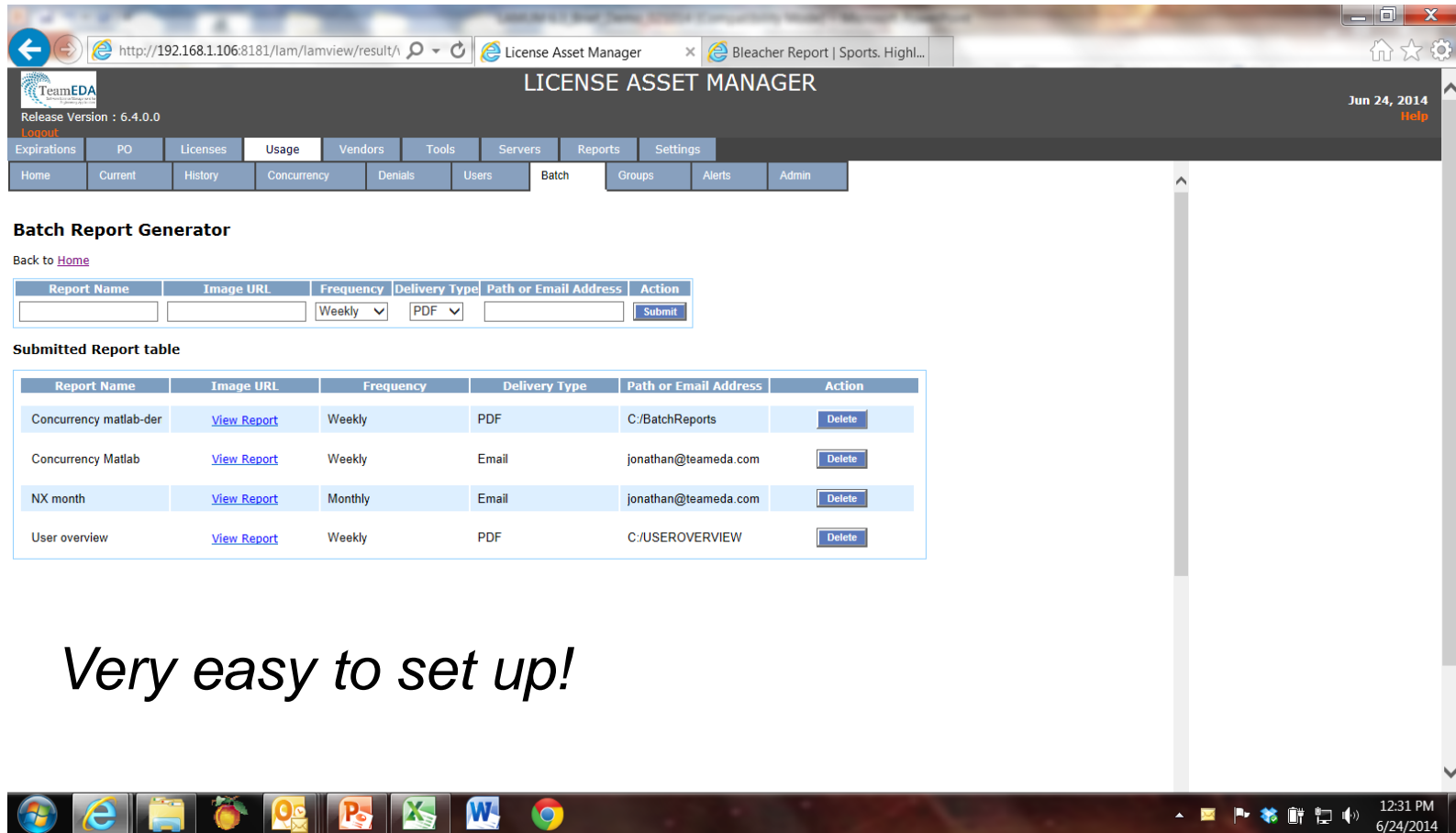
[First](#) [Prev](#) 1 - 14 / 14 (14) [Next](#) [Last](#) 20

Checkout Details Report for matlab_demo for 2016-04-05						
User Name	Machine Name	Feature Name	Date	Total Number of Checkouts	Total Time Checked Out (Seconds)	
jmfangio	eda4	Matlab	2016-04-05	3	48	
ghill	eda2	Matlab	2016-04-05	3	40	
ghill	eda4	Matlab	2016-04-05	5	67	
ghill	eda1	Matlab	2016-04-05	4	66	
jmfangio	eda2	Matlab	2016-04-05	5	44	
paul newman	eda3	Matlab	2016-04-05	5	79	
truvolari	eda1	Matlab	2016-04-05	2	0	

Automated Alerts

- “Expiration” Alerts
 - Contract and License key
- “Daemon-down” Alerts
- “Long-checkout” Alerts
 - and/or “Warning Letter” to User
- “Capacity-limit” Alerts
 - At or near capacity

Batch Reports



The screenshot shows the License Asset Manager web application. The browser address bar displays the URL: <http://192.168.1.106:8181/lam/lamview/result/>. The application header includes the TeamEDA logo, the title "LICENSE ASSET MANAGER", and the release version "6.4.0.0". The date "Jun 24, 2014" and a "Help" link are also visible. The navigation menu includes "Expirations", "PO", "Licenses", "Usage", "Vendors", "Tools", "Servers", "Reports", and "Settings". The "Batch" tab is selected in the sub-menu.

Batch Report Generator

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Report Name	Image URL	Frequency	Delivery Type	Path or Email Address	Action
<input type="text"/>	<input type="text"/>	Weekly	PDF	<input type="text"/>	<input type="button" value="Submit"/>

Submitted Report table

Report Name	Image URL	Frequency	Delivery Type	Path or Email Address	Action
Concurrency matlab-der	View Report	Weekly	PDF	C:/BatchReports	<input type="button" value="Delete"/>
Concurrency Matlab	View Report	Weekly	Email	jonathan@teameda.com	<input type="button" value="Delete"/>
NX month	View Report	Monthly	Email	jonathan@teameda.com	<input type="button" value="Delete"/>
User overview	View Report	Weekly	PDF	C:/USEROVERVIEW	<input type="button" value="Delete"/>

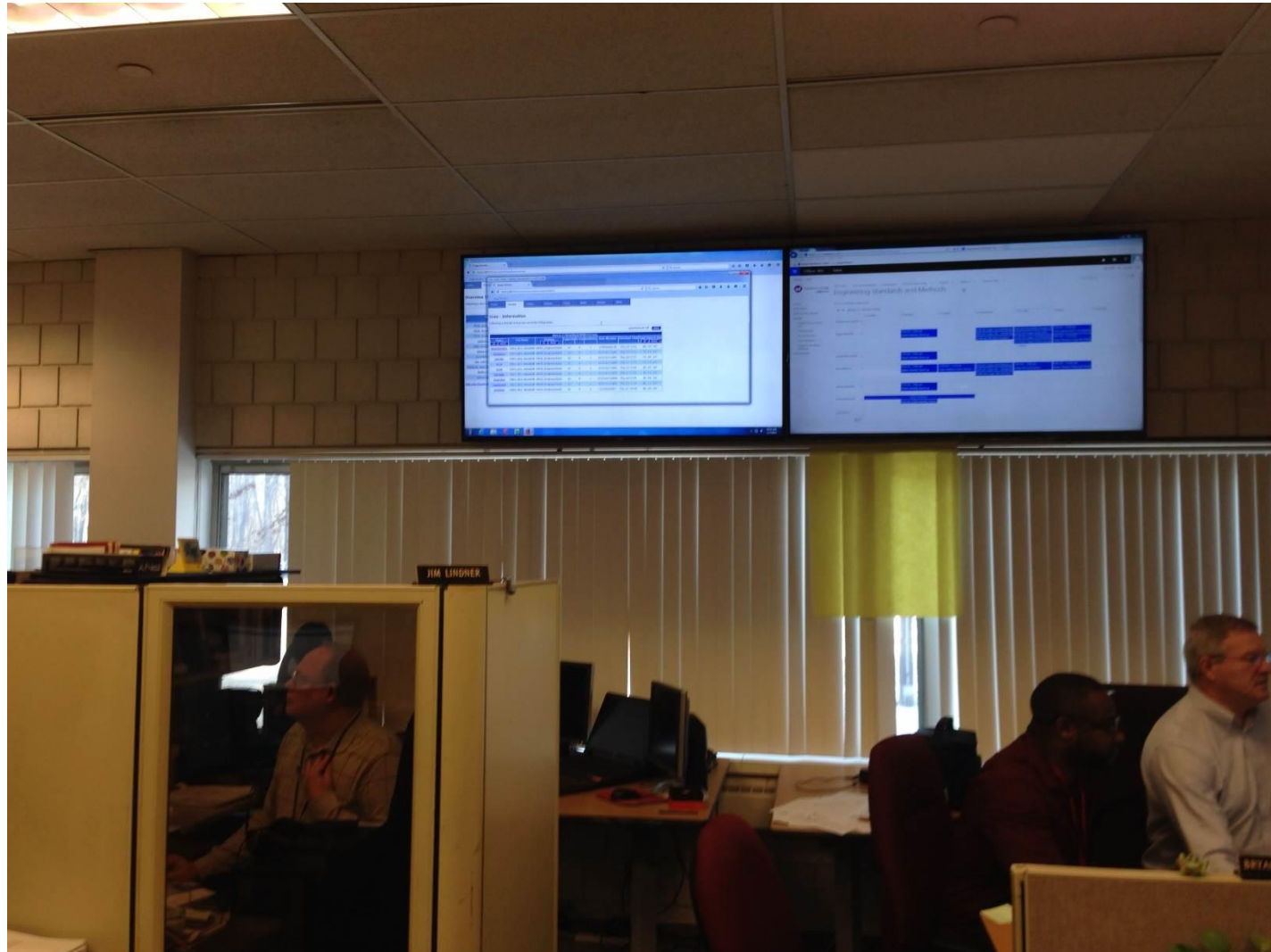
Very easy to set up!

- Weekly, Monthly, Quarterly, Yearly
- Email or PDF-to-folder delivery

Key highlights

- **Comprehensive Inventory/asset management**
 - Track quantity, Vendor, PO, costs, renewal dates,.....
 - Contact and/or Contract management
- **Numerous useful usage reports**
 - Colorful “Graphs” (.jpg images)
 - “Tables”(Filtering, Sorting, exportable to Excel)
- **“Favorites” access (on-demand reports)**
- **Easy to use “Batch Reports”**
- **Numerous automated “Alerts”**
- **Feature Aliasing**
- **User or Group Detail reports (for accounting)**

Centralized Current Checkout Monitoring





So what makes us different?

- Fast and easy to implement, very easy to use
- We address all aspects of license management
 - Vendor and Tool information sharing
 - License Inventory management and usage monitoring
 - Industrial-grade performance
- Full complement of Current and Historical reports
- On-site Implementation Services, including “Best Practices Workshop and License entry ”
- Superior Customer Support
- Great value... (very small % of License costs)



Thank you!

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