



License Asset Manager™



Electrical Engineering

Managing your EDA Software License information- Vendors, Contacts, Tools inventory, License Keys, License Servers, Daemons, Contracts, PO's, Expiration dates, License Agreements, Costs, Current checkouts, usage patterns and trends.

Can you do a better job of managing these expensive company assets?

License Asset Manager™

An Enterprise Class application for consolidating, sharing, and protecting EDA Software License information. Web based, database centric, LAM will track License Agreements, PO's, Costs, License Servers, Vendor and Contact information; and using that information to effectively manage these License Assets.

❖ **Key Benefits-**

- ✓ Clarity, control, and confidence in managing EDA licenses
- ✓ Save time and effort looking for critical License, PO, Vendor, contact, key, or cost information
- ✓ PO history with documented 'promises' and 'give-a-ways'
- ✓ Proactively manage Subscription and Maintenance renewals
- ✓ Protect license information
- ✓ Reduce License and Maint. costs
- ✓ Reduce time managing licenses
- ✓ Easy compliance verification

❖ **Key Features-**

- ✓ It's fast and easy to use!!
- ✓ User & password protected
- ✓ Your Logo on every page
- ✓ 7 Tabs: Alerts, Licenses, PO's, Vendors, Tools, Servers, Reports
- ✓ Sort on any Column heading
- ✓ Highly scalable database
- ✓ Email "Expiration Alert" system
- ✓ Hotlink to License Key files
- ✓ Hotlink to License Agreements
- ✓ Excel import utility (easy to use!)
- ✓ 'Cloning' for renewals
- ✓ FLEXIm license key parser with with import utility
- ✓ Numerous License Asset Reports
- ✓ EDA and MDA vendor info included

1. Consolidate Tool, License key, License cost, License Server, and charge center information
2. Consolidate Vendor/Reseller Contacts
3. Consolidate License POs and "negotiation history"
4. Preserve and protect license asset data
5. Track all WAN, LAN, Node-locked Licenses
6. Track Subscriptions, time-based Licenses, Maintenance Contracts, costs, and Renewals
7. Automatic License 'Expiration Alert' system
8. Track latest and approved "Versions"
9. View "License Agreements" on-line
10. Reports by License Types, POs, Locations, Server, Expiration date range, and many more
11. Major CAD/CAE Vendors and Tools preloaded for: Cadence, Synopsys, Mentor, Agilent, Denali, Synplicity, Magma, and MathWorks included.
12. Import Feature, Qty, Expiration, and Version #, Server, Daemon and Port information directly off of the FLEX License Key
13. Export data to CSV, Excel, XML
14. Utilization statistics with Usage Metrics option

Description-License Asset Manager (LAM) is a browser-based, web-enabled, database centric, enterprise class application. It manages all license assets for companies as small as 10 people, to as large as multi-site, multinational corporations, and is priced accordingly. It is designed to be scalable. LAM is for Managers who like clarity, control, and confidence. Clarity in the data they are viewing, Control of the Vendor relationships, and internal license assets, and Confidence in managing those relationships and licenses. All software assets, Perpetual or Subscription (time-based); LAN, WAN, or Node-locked; Temporary, Normal, or Spares; can be easily cataloged and managed.

The LAM database is relational. Controller Logic is responsible for the core application functionality. A daemon monitors the SQL database, preferences, and sends appropriate alerts or report emails. There are different implementation options for the Mail server used to send Alerts. Apache Tomcat application server is used to host the application. LAM is bundled with MySQL and Apache, unless advised otherwise.

License Asset Manager sample views

Licenses Tab

IE or Mozilla browsers

Tabs to quickly view relevant information

Your LOGO here

Create custom views

Sort on any column heading

Extensive use of "hot links"

Tool	Quantity	Tool Type	Purchase Type	Expiry Date	Actions
Allegro	10	NORMAL	Perpetual_W/_Maintenance	Jun-09-2007	Edit Delete
AccuSim II	1	NORMAL	Subscription	Jul-08-2003	Edit Delete
AccuSim II	10	NORMAL	Subscription	Jul-08-2007	Edit Delete
Allegro	12	TEMP	Subscription	Jul-30-2006	Edit Delete
Allegro	0			Jan-15-2007	Edit Delete
Allegro Design Editor	1	NORMAL	Perpetual_W/_Maintenance	Dec-19-2007	Edit Delete
Allegro Design Editor	0		Maintenance	Dec-19-2008	Edit Delete
Allegro Design Editor	1	NORMAL	Subscription	Jan-22-2007	Edit Delete
Allegro Package SI	2	NORMAL	Maintenance	Jul-08-2007	Edit Delete
Allegro PCB Router	1	NORMAL	Subscription	Oct-22-2007	Edit Delete
Allegro PCB SI	1	NORMAL	Perpetual_W/_Maintenance	Oct-31-2006	Edit Delete
Allegro PCB SI	10			Dec-17-2006	Edit Delete
Assura DRC	1	NORMAL	Subscription	Dec-21-2006	Edit Delete
Chameleon	1	NORMAL	Subscription	Apr-30-2007	Edit Delete
Core Package	1	NORMAL	Perpetual_W/_Maintenance	Aug-01-2007	Edit Delete
Core Package	1	NORMAL	Perpetual_W/_Maintenance	Nov-01-2007	Edit Delete
DC Expert	1	TEMP		May-07-2007	Edit Delete
Encounter Conformal	0	NORMAL	Perpetual_W/_Maintenance	Jan-18-2008	Edit Delete
Incisive Enterprise Family	30	NORMAL	Subscription	Dec-31-2006	Edit Delete
Modelsim	15	NORMAL	Subscription	Nov-10-2007	Edit Delete
Modelsim	13	NORMAL	Perpetual_W/_Maintenance	Nov-09-2006	Edit Delete
ModelSim SE	2	NORMAL	Subscription	Dec-31-2006	Edit Delete
ModelSim SE	10	NORMAL	Perpetual_W/_Maintenance	Mar-21-2007	Edit Delete
ModelSim SE	10	NORMAL	Perpetual_W/_Maintenance	Dec-29-2007	Edit Delete
MSC Nastran	1	TEMP	Perpetual_W/_Maintenance	Nov-28-2007	Edit Delete

License feature view

On-line Help

Cloning for Renewals or "same License" additions

Track License Server and Daemon details

Manage Feature detail here

Summary

Discipline: EE

Purchased: Dec 1, 2005

Purchase Order:

Server Details

Daemons: cdslmd

Server: Server200 Edit Delete

Server2: Server200 Edit Delete

Server3: Server200 Edit Delete

Feature	Quantity	ExpiryDate	Actions
Design Editor	5	Dec 1, 2006	Edit Delete
Design Entry CIS	10	Dec 1, 2006	Edit Delete
Design Entry HDL	10	Dec 1, 2006	Edit Delete
Design Workbench	5	Dec 1, 2006	Edit Delete
Package Designer	5	Dec 1, 2006	Edit Delete
Package SI	5	Dec 1, 2006	Edit Delete
PCB Router	1	Oct 1, 2006	Edit Delete

View more LAM screen shots at teameda.com.

Call now for free web demo

978-251-7510

License Asset Manager™

License Asset Manager™ Usage Metrics Option (LM)

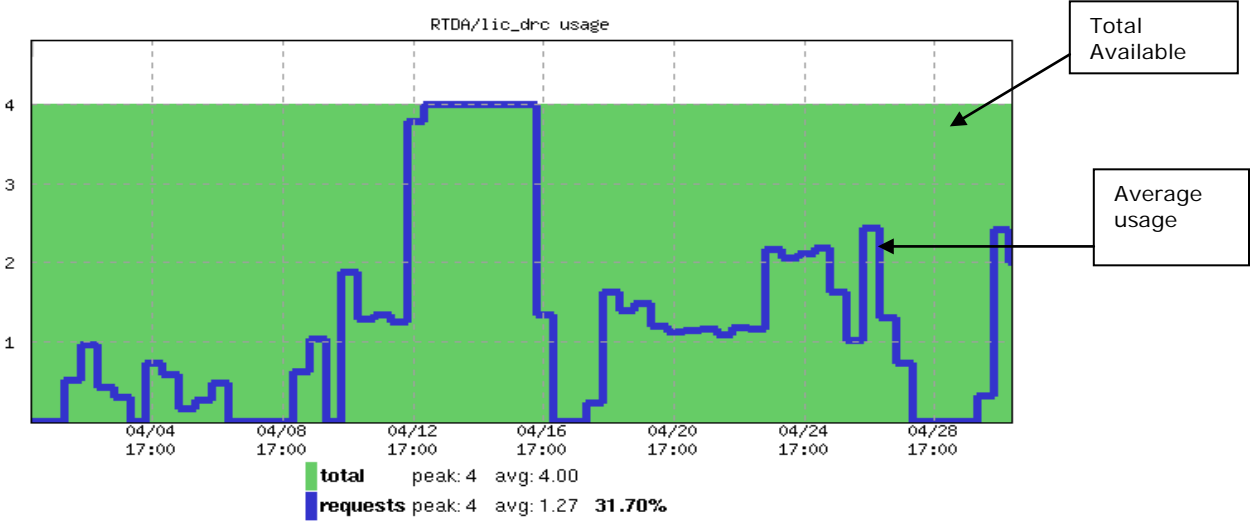
Now available to add even more functionality and value to **LAM** is the **Usage Metrics option (LAM/LM)**, which will provide the following additional capabilities-

- Monitor real-time License Server status
- Monitor real-time License Daemon status
- Monitor real-time "current check-out" of specified licenses
- Provides historical utilization metrics on "Average" and "Max-concurrent" license usage for:
 - Last week, Last month, Last 90-days, Last year, or any time period
 - Graphs for any specified time period
- Track usage by Users, Top Users, and Groups
- Denials by Feature and User

LAM/LM is a system that monitors the utilization of all EDA/MDA resources, including standalone software licenses.



Resource RTDA/lic_drc graph for a period of 30d00h ← User defined time-period
Sun Apr 01 12:00:00 AM PDT 2007 - Tue May 01 12:00:00 AM PDT 2007



LAM/LM enables license tracking at the User or Group level or across the enterprise from a single web based interface. LAM/LM generates reports on current and historical usage of licenses, including peaks, averages, and denials. This information can be used for buying decisions, budgeting and departmental charge-back.

Sample views:

Resources Statistics For 30d00h
Tue Jun 01 12:00:00 AM PDT 2004 - Wed Jun 30 11:59:59 PM PDT 2004

#	Resource Filter:	Total		Used		
		Avg	Max	Avg	Max	%
	PrimeTime	6.97	10	6.91	10	99.14
	hsim-char	5.85	15	5.75	15	98.40
	Analog Design Env XL	6.67	15	5.74	15	86.11
4	calibredrc	8.00	8	5.08	8	63.50
5	NC-Verilog	50.00	50	28.20	50	56.40
6	hsim	2.00	2	0.51	2	25.59
7	vcs	30.00	30	7.64	30	25.45
8	hspice	17.66	38	1.63	38	9.21
9	Virtuoso Layout Suite L	15.65	21	0.99	8	6.32
10	Encounter Timing XL	1.00	1	0.05	1	4.81
11	Affirma NC Simulator	50.00	50	1.78	9	3.56
12	SignalScan	50.00	50	1.57	3	3.14
13	Conformal Ultra	50.00	50	1.44	20	2.89

Hot-link to feature details

Sort columns

Color-coded to show heavy used features

Graphs

Select any time period

Checkout distribution by user

#	User	Num	%
1	joshua	2196	25.04 %
2	michael	2182	24.88 %
3	emma	856	9.76 %
4	daniel	720	8.21 %
5	joe	719	8.20 %
6	ashley	699	7.97 %
7	chris	439	5.01 %
8	ethan	406	4.63 %
9	matt	284	3.24 %
10	emily	199	2.27 %
11	david	69	0.79 %
	Total	8769	100 %

History for Last Month

Most checkouts by feature			Recently denied features	
CDN/drc	3079	7d19h	CDN/synth	5m03s
MGC/sta	1050	5d03h	NASS/route	12m08s
SNPS/place	1484	2d23h	MGC/sta	22m03s
CDN/synth	1110	2d22h	MGC/lvs	1h20m
CDN/verilog	600	1d19h	CDN/verilog	2h01m
NASS/route	787	1d17h	SNPS/place	2h03m
MGC/lvs	378	19h50m	CDN/dxcse	2h32m
CDN/memgen	473	14h26m	CDN/pwridf	2d13h
Most checkouts by user			Recently denied users	
john	4710	13d16h	chris	5m03s
chris	3124	6d23h	david	5m12s
david	271	18h13m	joe	12m08s
ethan	267	18h12m	emma	2h01m
emma	268	18h11m	daniel	2h32m
joshua	269	18h04m	cindy	6h24m
joe	272	17h59m	tom	8h23m
daniel	1	1h06m	mike	4d23h

Additional LAM/LM report views at [.TeamEDA.](#)

or

Call now for a demonstration!

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