

Time Management for System Administrators: A New Approach

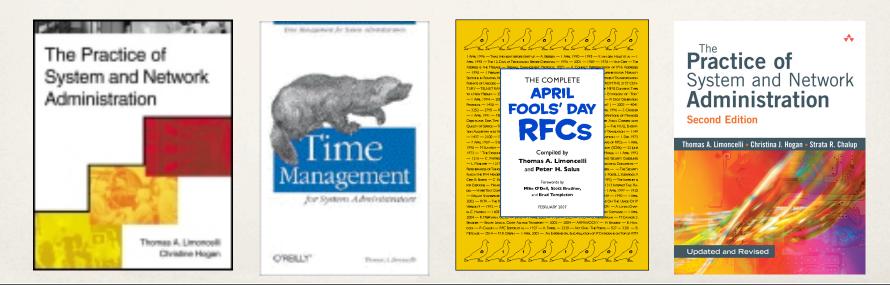
by Thomas A. Limoncelli

Usenix LISA 2009, Baltimore, MD

Meeting with My Boss

Who is this guy?

- * SA since 1988
- * Work at companies such as Google, DFA, Lumeta, Bell Labs
 - -Time Management for System Administrators
 - -The Complete April Fools day RFCs
 - -The Practice of System and Network Administration
- http://EverythingSysadmin.com



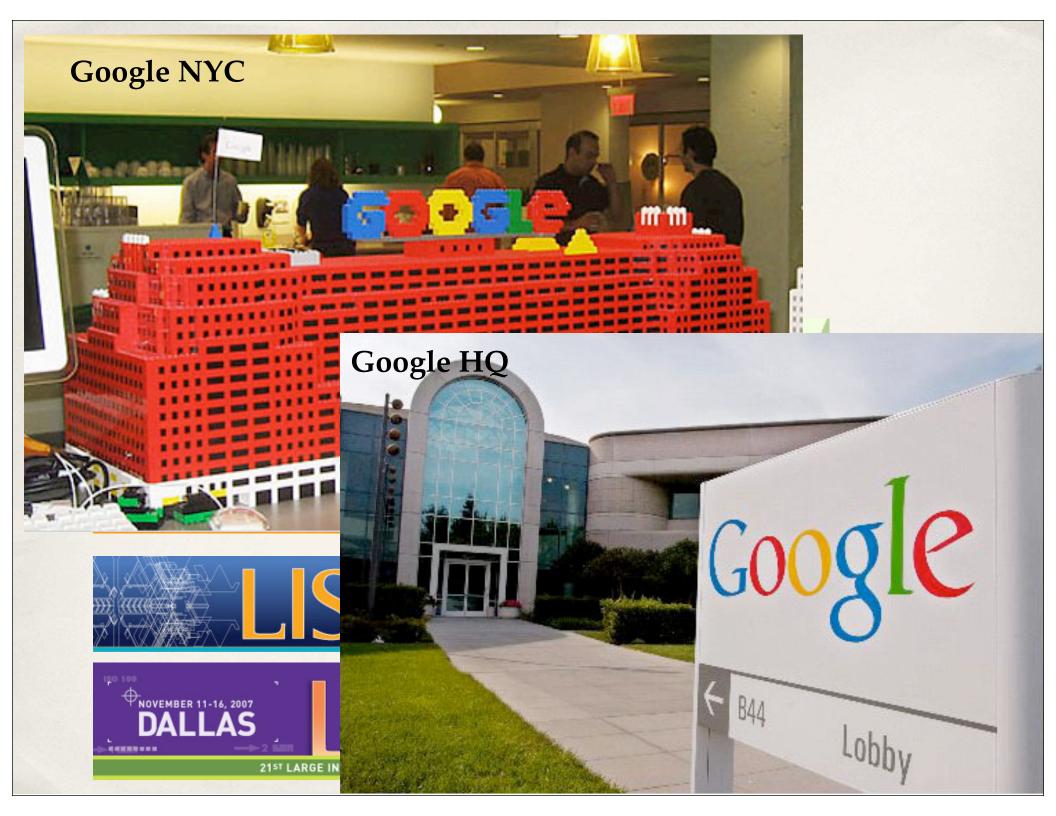
Introductions

- * Other qualifications:
 - * Was a time-management disaster... but I got better!
- Audience poll: (show of hands)
 - * Sysadmins / Managers
 - Unix / Windows
 - * Senior / Junior

* What are your biggest time management issues?

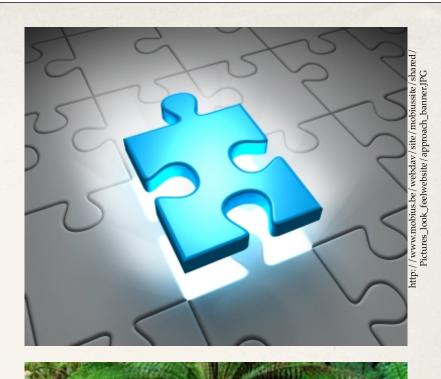
Why TM for Sysadmins?

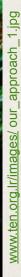
- * The problems are different:
 - Boss likes: When we get projects done. Customers like: When we are available.
 - * Higher degree of customer interruptions.
 - * More individual projects than we have time for.
- * The solutions are different: We're geeks, we have geek tools.
- Lack of mentoring
 - Other careers have more opportunities for mentoring on these issues.
 - * Our mentoring is technical.



What I learned by mentoring

- * Conclusions:
 - * Specific techniques work!
 - * No "map" to fit them together.
- Developed a new approach:
 Identify "type of day"
 Pick appropriate tools
 Change when surprises come





How the day will end...

...is determined by how we *approach* it at the beginning.

Overview

Introduction
 Tools needed for "Any Day"
 Tools needed for "Meeting-Free Days"
 Tools needed for "Mixed Days"
 Tools needed for "Packed Days"
 Summary

Please call out questions any time!

3 General Types of Days

Step 1: Identify "type of day"

Meeting-Free

Mixed

Meeting-Packed

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"No Meetings"

Strategy: Focus on projects, do interrupts as needed.

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"Mixed"

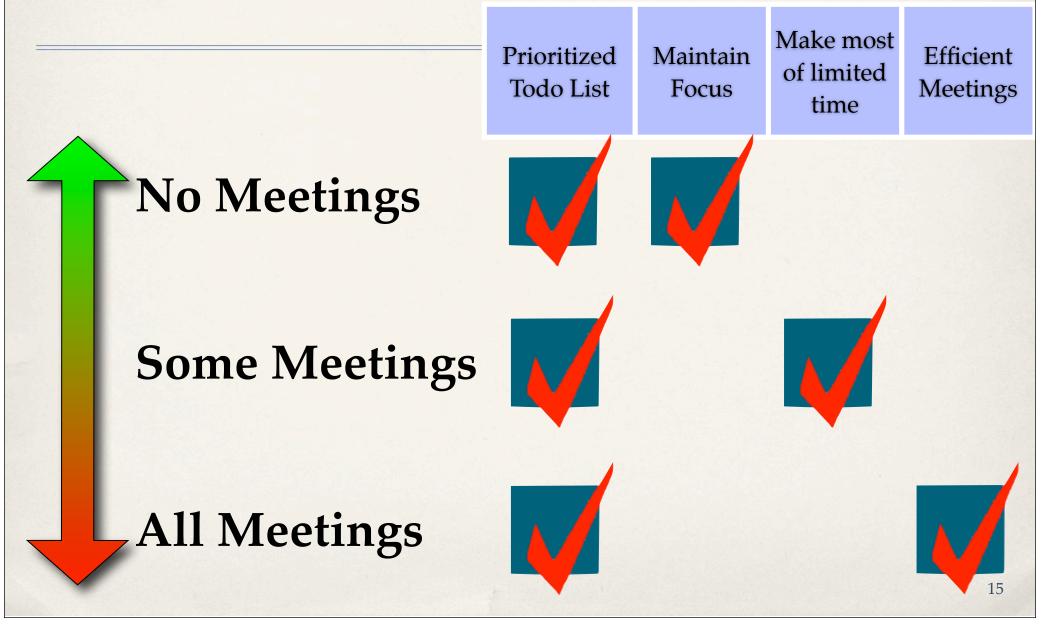
Squeeze in important tasks between meetings.

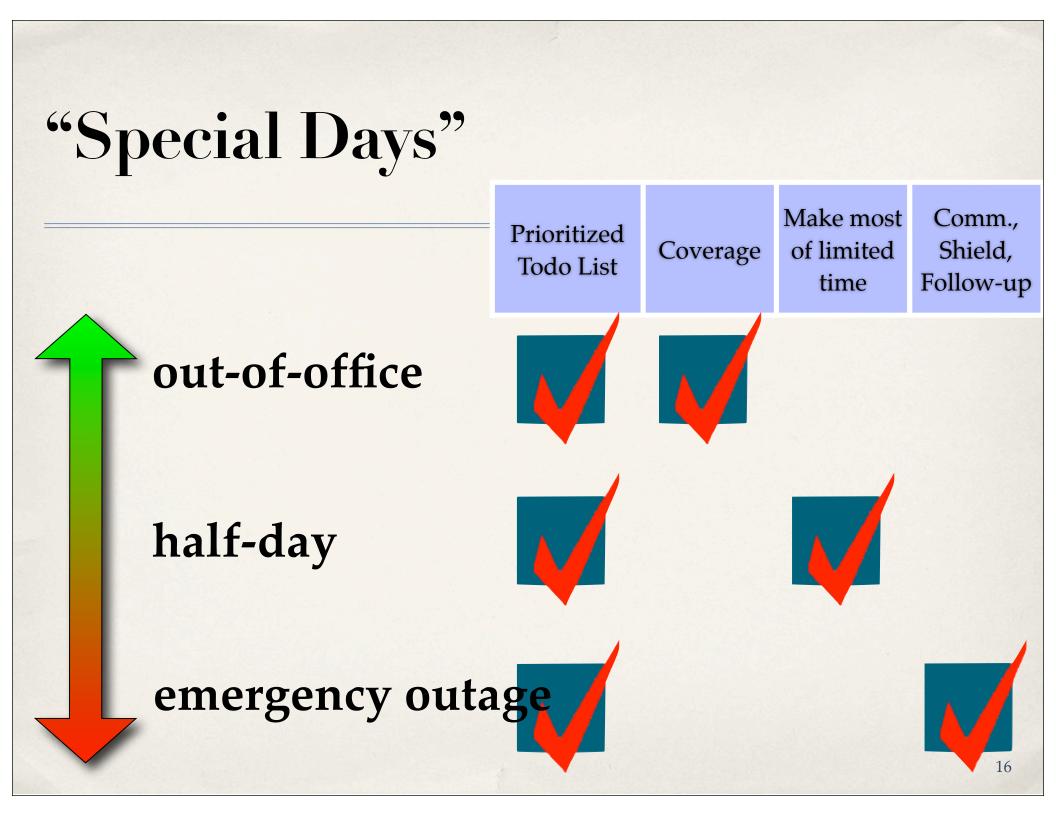
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"Packed With Meetings"

Manage meetings effectively + some multitasking.

Step 2: Pick appropriate tools





Chapter 2: Tools needed for All Days

What tools are needed all days?

- * Calendar:
 - * Keeps our appointments so our brain doesn't have to.
- * Todo List:
 - Things to do, tasks we've agreed to do. "Assures perfect follow-through"
- Prioritization Techniques

Principles

- * **One System:** Keep all time-management information in once place
- Conserve Brain Power: Avoid distractions, focus on one thing at a time
- * **Use Routines:** Mass-produce things that you do often. "Think once, do many"
- Same tools everywhere: Use the same tools for your personal-life. The more practice you get, the faster things become "second nature".

Calendar Management

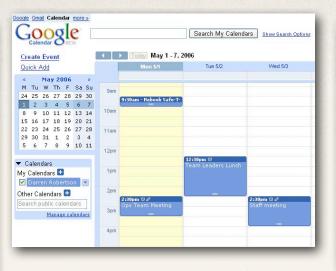
Goal: Never miss an appointment, meeting, or social event.

Date

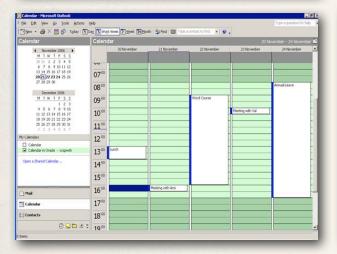
Record all appointments, dates, events, meetings, etc.

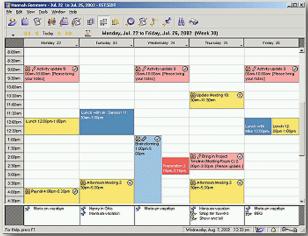
- * One place for all calendar info, including social events.
- Review at the start of the day, through out the day, and before you go to sleep.
- * Check for conflicts before agreeing to an appointment.

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https://myhome.utpa.edu/quicktutorial/images/calendar_sync.gif

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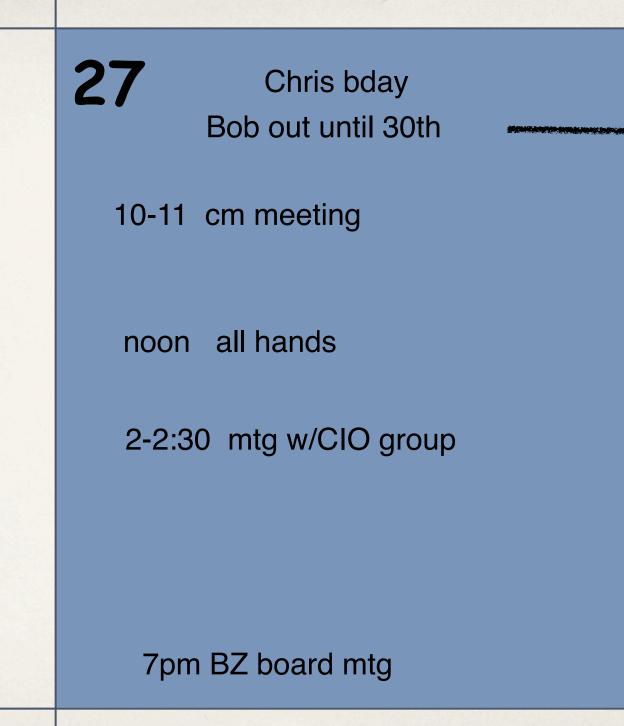


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How I mark calendar days

- * Top line:
 - * Birthdays days, scheduled vacations (for me and others)
- * Middle:
 - appointments throughout the day
- * Bottom line:
 - night activity ("Date with Chris", "Board Meeting", "Laundry")



Todo lists

Never forget a request; prioritize your work.

Date

Where to keep the data? NotePad, PDA or PAA?

Either works just fine

	VIM	PDA	PAA
 One to-do list per day 	Yes	Yes	Yes
 Kept in a single place 	Yes	Yes	Yes
With you all the time	Yes	Yes	Yes
 Easy to access 	Yes	Yes	Yes

	Editor	PDA	PAA
Pros:	+ Free. + No refills + Backups?	+ Beeps@appt + Sync w/PIM + Backups + Easy 2 carry	+ Spontaneous + Make your own system + Theft is rare
Cons:	- Not always accessible	- Distractions - Inflexible - Upgrade\$	- No backups - Refills every year

PDA advice

* The PalmOS "Todo" function is very simplistic.

- Add DateBook VI (www.pimlicosoftware.com)
- * All "The Cycle" techniques are possible
- * Other fine software:
 - iPhone: Appigo Todo (www.appigo.com)
 - * iPhone+Mac: OmniFocus (www.omnigroup.com)
 - Mac: Life Balance (www.llamagraphics.com)
 - FranklinCovey software for Palm

* Tom's list:

http://wiki.everythingsysadmin.com/twiki/bin/view/TM2SA

PAA Overview

Left Side

- One page per day
 - Pre-printed with dates
- * Daily Task List
 - * Status, ABC, Task
- Appointment Schedule

<u>Right Side</u>

- "Record of Events"
- Wide-open space for:
 - notes, ideas, diagrams
 - special check-lists
 - "Things to pack" lists
 - "What to bring" lists

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Task Management

How to get it all done without going crazy (or forgetting anything important)

Date

"The Cycle"

- Todo list
 - Perfect follow-though / Never forget a task
- Datebook/Calendar
 - Track appointments, commitments, events
- * Long-term and Life Goals
 - * Get where you want to go

Memorize Everything

-- VS --

Zillions of Scattered Notes

-- VS --

The Never-Ending List of Doooooom

Why do "todo lists" fail?

- * We rely on "known-faulty" hardware
 - * (Our brain forgets)
- * We don't keep them all in one place
 - Many scattered pieces of paper
- We keep many lists
 - Half are out of date
- * We keep one master list
 - Too big, too scary
 - * The Never-Ending Todo List Of Doooooom!

"The Cycle"

- * 365 "todo lists" per year
 - Doesn't rely on our brain
 - * One place to keep everything
 - Prevents "list of dooooom"-like problems
- * Keep it as simple as possible!
 - * Even a NotePad user can do it!

Monday, April 14:

- +-Task-A DONE
- +-Task-B DONE
- +-Task-C- DONE
- * Task D
- * Task E

Move to tomorrow

Monday, April 14:

- +-Task-A DONE
- +-Task-B DONE
- +-Task-C- DONE

Tuesday, April 15:

- * Task D
- * Task E

New item? Add to the list!

Monday, April 14:

- +-Task-A DONE
- +-Task-B DONE
- +-Task-C- DONE

Tuesday, April 15:

- * Task D
- * Task E
- * Task F

...or tomorrow's list!

Monday, April 14:

- +-Task-A DONE
- +-Task-B DONE
- +-Task-C- DONE

Tuesday, April 15:

- * Task D
- * Task E

Wednesday, April 16:

```
* Task F
```

...or tomorrow's list!

Monday, April 14:

- +-Task-A DONE
- +-Task-B DONE
- +-Task-C- DONE

Tuesday, April 15:

- * Task D
- * Task E

Thursday, April 17:

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* Task F
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The 4pm check

- Pause to consider the remaining items
- * Items due today:
 - * Option 1: Call requester, negotiate extension
 - * Option 2: Pawn off task to co-worker
 - * Option 3: Work late

Let's Practice!

Add the following items to your todo list

- Create account for "bob"
- * Test new GCC release
- Report bug in product X
- Phone JP
- * Add wiki page: new support hours

(No actual patents filed)

Tom's Patented Marking System

- X Done
- Moved to future day
- NO Decided not to do it, record why & who told
 - Delegated, record "to whom"
- <May 14> More info on May 14's page

Commercial stationary uses a different notation and that's ok.

Add the following items to your todo list

- * Create account for "bob"
- Test new GCC release
- Report bug in product X
- * Phone JP

⇐ Mark "done"
⇐ Incomplete (next day)
⇐ Mark "done"
⇐ JP will return in 2 days

]	First sheet should look like:			
		ABC	Prioritized Daily Task List	
	X		Create account for "bob"	
			Test new GCC release	
	X		Report bug in Product X	
			Phone JP	
			Add wiki page: new support hours	

End of day: 1 item left!		
	ABC	Prioritized Daily Task List
Х		Create account for "bob"
		Test new GCC release
X		Report bug in Product X
		Phone JP
		Add wiki page: new support hours

End of day: 1 item left!			
	ABC	Prioritized Daily Task List	
Х		Create account for "bob"	
		Test new GCC release	
Х		Report bug in Product X	
		Phone JP	
		Add wiki page: new support hours	
		Add wiki page: new support hours	

Leave work with a smile

- Clear your "todo" list at the end of the day by moving & marking.
- * A System administrator's work is never done. You can't expect to finish all your tasks each day. However, you can be satisfied they have all been managed.

Control your time!

- Schedule your work
- * Prioritize what you do
- Control the hours you work

More work than one 8-hour day?

- * At start of day, estimate amount of work in hours.
 - * Few items: easy to estimate
 - * Many items: write estimates and total
- * Move low-priority items to next day.
 - * Start the day with just 8-hours of work.
 - * Or "n" hours if you have meetings, appointments.

Super overloaded?

- Break projects into steps
 - List time for today's step
 - * Add this item to each day's "todo list"
- * Delegate
- Re-prioritize (re-negotiate)
- * Ask boss for advice

Finish all of today's tasks?

- Get a head-start on tomorrow's work
- * Reward yourself by...
 - * working on a fun project
 - working on a low priority project
 - * Coffee break!
- * Go home early (?)

Working with tickets

- * Schedule n-hours of "doing tickets" each day
- * Use the todo list as a cache of tickets
- * Your "working set"

Projects and Tickets

- "Glenn", a sysadmin, was directed to "split your time evenly between helpdesk and projects".
- When he planned his day, he added a "todo item" called "interrupts" which was always 50% of his time.
- * Too many interruptions? Told me to go away (politely)
- * Fewer interruptions? Extra time for projects.

Merge work & personal databases

- * One unified calendar -- include social plans
- Only use a second calendar if you have a "classified worklife"
- * Use calendar to allocate time for fun:
 - * Plan a "date night" or "family night"
 - * Hobby or personal project
 - * Tom's 2007 goal: See more movies!

Prioritization

Make sure the important stuff happens.

Date

What's so bad about FIFO?

- * Distraught over what order to do tasks on your todo list?
- * What's so bad about FIFO?
- * Benefit:
 - * it's easy
 - older items tend to "bubble" up to the top and get higher priority
 - * sounds great!



Prioritize based on customer perception

Prioritizing tasks so that users think you're a genius

Date

What do customers expect?

- * They want everything NOW but what do they expect?
- * Some requests should be quick...
 - Reset a password
 - Assigning an IP address
 - Anything small impeding their work
 - "Hurry up and wait" things (order now, receive later)
- * Some requests take a long time...
 - * Installing a new PC
 - Creating a new service
- * Emergencies: SAs will drop everything for major outages

FIFO-based Priority

Task	Description	Customer Expectation	Actual Duration
T1	Add new CGI area to www	1 hour	30 min
T2	Create new account	Next day	20 min
T3	Debug minor NetNews issue	10 min	25 min
T4	Give IP addr to user	2 min	5 min
T5	Install new server	Next day	4 hours
Т6	Order a software package	1 hour	1 hour
Τ7	Reset Password	1 min	10 min
• Time	e: 360 minutes	Evaluation: • All tasks completed • T4+T7: Unhappy!	

Expectation-based Priority

Task	Description	Customer Expectation	Actual Duration
Τ7	Reset Password	1 min	10 min
T4	Give IP addr to user	2 min	5 min
Т6	Order a software package	1 hour	1 hour
T1	Add new CGI area to www	1 hour	30 min
T2	Create new account	Next day	20 min
T5	Install new server	Next day	4 hours
T3	Debug minor NetNews issue	10 min	25 min
• Time	No change! e: 360 minutes	Evaluation: • All tasks com • Happy custor	-

Summary

- * In both cases:
 - * All tasks completed
 - * (You did the same amount of work)
- * In second case:
 - * Customers much happier: less waiting

You did the same amount of work, but people were happier with your performance

Priorities

- * Mark every todo item with an A, B, or C priority
- * A -- Must be done today (due date is today)
- * B -- Today, lower priority
- * C -- Everything else!

Day 2: Not enough time!			
ABC	Prioritized Daily Task List		
A	Test new GCC	2	
A	Add wiki page: new support hours	1/2	
В	Write design for new office	4	
C	Delete (after archiving) 50T	5	
В	Find 3 new SAN vendors to bid	3	
C	Install new IDS system in test lab	8	

Get control over your time

- Schedule your work
- * Prioritize what you do
- Control the hours you work
- * Impossible? Completely possible.

It only works if you use it!

- Carry todo-list everywhere
 - * Smart Phone always with ya
- * Always mark your calendar.
- * Start each day by prioritizing and planning.

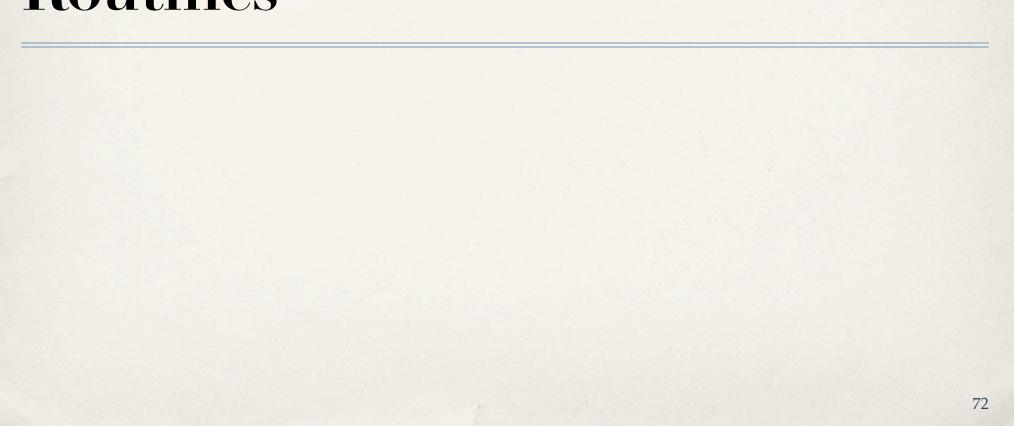
Summary of The Cycle

- * Morning:
 - * (Add any repeating items, etc.)
 - * Too much to do? Prioritize!
- * Work items in FIFO or prioritized order
- Take breaks
- "The 4pm routine"

That's the Cycle!

* Questions?

Routines



Get <u>into</u> that old, boring routine!

I wish I never woke up this morning

Life was easy when it was boring.

Darkness, The Police

Date

Turn chaos into routines

- * Schedule key meetings the same time(s) each week
- * "Gasoline on Sunday"
- * "Empty water from A/C reservoir as you enter the building."

Developing your routines

- * Repeated events that aren't scheduled
- * When procrastinating takes longer than the task itself
- Things you forget often
- Low-priority tasks that can be skipped now and then but shouldn't be
- * Maintenance tasks: IT is like gardening
- Relationship development

Good habits save time

- * Hesitate before pressing ENTER.
- * Write the test before the code.
- * "ping" before and after disconnecting any cable.
- * Always backup a file before it is edited.
- Check for keys before leaving car, house, office, secured area, etc.

Automatic "Yes" Answers

- * Would this be a good time to save my work?
- * Should I bring my PDA/PAA with me?
- * Should I record this task/event/date in my PDA/PAA?
- * Should I call now that I'm going to be late?

Chapter 3: Tools for a "Meeting-Free Day"

"No meetings" Days

- * Goals:
 - Maximize project time
 - * Give customers attention they need
 - * Do any recurring tasks (daily, weekly, etc.)
- Techniques:
 - * Start the day: "Invest 5 minutes" to prioritize and plan
 - Maintain focus
 - Handle customer requests intelligently
 - Take breaks as needed

Start the day: "Invest 5" Prioritize and mark "time blocks"

Maintaining Focus

Date

Focus

How long does it take to complete a 2-day project?

Focus

- * Focus is concentrated effort.
- * "Users always bother me" == "I'm being prevented from maintaining focus"
- * Interruptions are the natural enemy of focus.
- * Returning from an interrupt is error-prone.

The uncluttered brain

- * Our brain is only so big.
- * It divides itself among all the things we are trying to focus on.
- * Unclutter your brain.

Focus problems we cause

- * A messy desk
- * Visually complex items in front of us
- Icons on our desktop, Instant messenger clients, music, stock tickers, news tickers, "you have new mail" notifiers, games, multitasking overload.
- * Clean up your workspace -- Free your mind!

Multitasking

- Too much multitasking is a distraction
- Multitasking while talking to someone
 - * ... is rude, makes conversation take longer
- * When is multitasking appropriate?
 - Waiting for long batch jobs

Interrupts from others...

Redirecting Interrupts

- * If someone wanted to interrupt you to ask a question, how do they find you?
- * Does their web browser start-page tell them how to reach the helpdesk?
- * Are proper channels properly clearly communicated?
- * Can you re-arrange seating so they walk by your co-workers before they reach you?

Mutual Interruption Shield

- * Each person picks a time of day to be the interrupt shield.
- * While shielded, you have productive project time.

Without Shield

With Shield

	You	Co- Worker		You	Co- Worker
AM	Frustrated by constant		AM	Shield	Projects
PM	St. Company St. Company	ptions	PM	Projects	Shield 89

Org structures based on this

* Split into a tier 1 / tier 2 structure

- * Tier 1 -- "Customer facing"
 - * Handles 80%, bumps 20% up to tier 2
- * Tier 2 -- "Project & Engineering"
- * Physical layout:
 - Make sure customers must trip over "customer facing" people to get to Tier 2.
 - * Move Tier 1 offices to high-traffic areas
 - keep Tier 2 relatively obscured

Peak time for focus

- * When during the day can you focus best?
 - * Different for each of us.
 - * Do you know your peak hours?
- "First hour of the day"-Rule
 - The fewest interruptions happen the first hour of the day because nobody else
 - * Therefore, don't use it for junk tasks like email.

Handling Interrupts without being a JERK

Saying "no" or "not now"

When someone makes a request, they expect to be heard.

Corollary: They will be unhappy if they don't <u>feel</u> heard.

Saying "no" with compassion

- * How to say "no" without sounding rude?
 - Take the customers needs into account
 - "Say with action" (not words) that the request will be completed

For each request

Pick one:

- * Record it
- * Delegate it
- * Do it

When to "record it"?

- * I'm in the middle of another project
- * Not urgent
- * Not a "while you wait" request

Other ways to record request

- Create a "ticket"
- * Write in your PDA or todo-list system
- * Have them create the ticket -- tell them the words to use

When to "delegate"?

- * Someone else can do it
- * Too urgent to put off

Effective Delegation

- * Three things to explain to "stucky":
 - * What you expect the end-result to include
 - * A specific, measurable result?
 - * A checklist?
 - * The resources / authority
 - * A deadline
 - * Let them suggest a date. If it's acceptable, say "Ok, I'll expect this to be done by [insert date]."
 - Record the deadline

When to "do it"?

- * Emergency -- outage effecting multiple people.
- * It's my job to react in this situation.
- * If it takes less than 2 minutes ("the 2 minute rule")
- * Requests from my boss.

Be creative

- Pre-allocate your next 2-3 IP addresses
- Keep common sysadmin apps running
- * Automate, automate, automate
- * Create self-service versions:
 - * sudo shell scripts that check inputs do request
 - * CGI scripts that check input then sudo
 - * (Note: Such scripts may result in security holes. Validate inputs, and be paranoid.)

Task Batching

"Fixed Length" tasks first

- * Fixed Tasks: Takes a certain amount of time
- * Expanding tasks: Expands to fill time available
- * Example 1:
 - * It is 5pm. Leave to meet friends at 7pm.
 - * Need to do 2 things before you leave:
 - * Take out the trash before you leave
 - Practice Guitar Hero II
- * Example 2:
 - Backup tapes must be changed each day.

Batching

- Batching: Do similar tasks in a group
- * Examples:
 - * Do all DNS-related tickets at once
 - * Do all (certain kind of tickets) once a day/week
 - Make exceptions for emergencies
 - * Start all new employees on Mondays
 - * Weekly "walk-around" to stay in touch with users

Sharding

- * Sharding: Break large quantities into chunks, or shards
- * Term comes from Map-Reduce (Hadoop)
- * Examples:
 - * Visit 10 machines each morning until (task) complete
 - * Schedule PC upgrades by hallway or department
 - * Clean 1/8th of the storage room until complete

Elastic Tasks: Set a stop-point

- * Elastic tasks: Tasks that stretch to fill all time (if you let them)
 - Examples: email, netnews, reading blogs, chatting with coworkers at the watercooler
- * The solution: Set a "stop point"
 - * Say to yourself:
 - * "I'm going to stop reading email in 10 minutes"
 - * Look at your watch, set a timer, do whatever it takes.
- * What if I'm not done?
 - * Don't worry... the email will be there when you come back.

Declare a "fix-it day"

- Stop working on bigger projects to do tasks that have been lingering for too long
- * Personal examples:
 - * Inventory all the PCs
 - Clean the house
- * Team Examples:

*

- documentation fix-it day
- find and fix slow PCs day
- * fix all the SSL certs day

Email

- Strategy: Use filters so there is one Inbox to read that is important.
 - * 00.MustRead -- all things "to you", from "important people", and on urgent mailing lists
 - * 5x.listname -- one per mailing lists
 - Inbox -- everything else
 - Daily plan:
 - * Read "00" when busy. "Inbox" when you have time.
 - Everything else as recreation, or scheduled for a particular time blocks

And take breaks

* Take breaks. Your brain needs a rest. Really.

 Henry Ford, king of working people to death invented the coffee break because he found that people are more productive when they take breaks.

Tools for a "Some Meetings" Day



Goal: Squeeze productivity into the gaps between meetings.

- First thing: Review Todo list, prioritize, circle things that "have to be done today"
- * Everything else:
 - * Move to next day.
 - * Notify people if this means adjusting deadlines.
- Between meetings:
 - * Focus on those "key items".
 - * Get right to work.
 - * No socializing.

How to get out of meetings

- * Send a delegate.
 - * Why is entire team attending?
 - * Send a delegate to take notes.
 - * Load up delegates with points to make.
 - * Have delegate get you if certain topics come up.
- * Announce "I can only stay for the first half".
- * Reschedule the meeting for some other time.

Chapter 4: Tools for a "Packed Day"

"Packed Day"

- * Goals:
 - Efficient Meetings
 - Some multi-tasking
- Techniques:
 - * Start the day: "Invest 5 minutes" to prioritize and plan
 - Reschedule + communicate if deadlines need extensions
 - Take breaks as needed

Goal: Efficient meetings

1. All meetings should be a good use of your time.

- * Ones that aren't should be reformed or cancelled.
- 2. When I'm in a meeting, I should participate to my fullest.
 - * I should have a reason for being there.
 - * I should focus on this reason.

Who's responsible for how effective/efficient a meeting is?

50%

Attendees

Facilitators

50%

Meetings run better when: (Attendee responsibilities)

- * Meetings start on time.
 - * Arrive on time.
 - * Quiet and ready to go.
 - * A/V needs ready before meeting starts.
- * Everyone pays attention.
 - * Not reading email, chatting online.
- * Hold back from funny comments.
 - * Unless it the meeting needs some life.

How to "pay attention"

- * Unable to pay attention?
 - * Offer to be the note-taker.
- * Unable to resist email/IM?
 - Don't bring your laptop.
 - Offer to take notes (if your laptop is projecting, you won't be reading email)

Meetings run better when: (Facilitator responsibilities)

- * Have a written agenda.
- * Meetings start on time.
 - * Arrive on time.
 - * A/V needs ready before meeting starts.
- End on time

Different meeting types

- * Information:
 - * Make your announcement then start Q&A.
 - * Use Google Moderator.
- Discussion:
 - Facilitator is there to moderate, make sure everyone gets their thoughts expressed.
 - * Tries to get closure (a decision) after people have talked enough.
- Status:
 - * Give each person 1 minute. Time them.
 - * No discussion until everyone has spoke.

Let agenda manage themselves:

- * Use a Google Doc, Wiki, or other shared document
 - * At top:
 - * Write goal of meeting, time, who should attend, etc.
 - * Agenda for next meeting:
 - * (anyone can log in and add/comment)
 - Agenda and notes for past meetings (in reverse chronological order)
- * No agenda 12 hours prior? Automatic cancel.

"Weekly GSI Team Meeting" Meeting Guidelines:

- •Weekly. 30 minutes but book 1 hour just in case.
- Who should attend: all core GSI members, plus TLs and PjMs involved in GSI.
- First meeting of each month includes updates from all the Tech Leads
- How the agenda is built:
 - Anyone can add items to the agenda via the shared doc
- No new agenda items after 5pm the previous day.
- •No agenda by 5pm PST? Meeting automatically cancelled.
- Default Agenda:
 - Announcements (if any)
 - First meeting of each month: Each TL gives a report (accomplishments, projects, and help needed)
 - Remainder of agenda items from shared doc.

Agendas and Notes:

2009-09-02 Weekly GSI-Team Meeting

- (bill) Review agenda for annual summit
- •(mary) The new monitoring system

2009-08-26 Weekly GSI-Team Meet previous

•Attendees: bill, mary, joe, sara, mar tom, bob, julie

- •Announcements:
- Bill will be out of office all NovemberDiscussion of new monitoring
- thresholds:
 - •mary: too many false-alarms
 - Decision: No alert until 4 consecutive missed pings.
- •Where to put new server:
 - Much discussion.
 - Decision: Rack 3 in room 2.

2009-08-19 Weekly GSI-Team Meeting

Notes from even earlier meetings

Notes from

meeting

Agenda for

next meeting

Other tips:

- * Facilitator decides:
 - Order of agenda items
 - Laptop policy
- * Only invite people that are needed.
- * Facilitator should not be the note-taker. Too distracting.

How to have shorter meetings.

- * Schedule 30-minute meetings, not 60-minutes.
- * Meeting ends early?
 - Don't ask, "is there anything else?" Just say "we've reached the end of the agenda. Thank you." and leave.
- Feed people: Mouths busy with food don't talk. (Unless you want to encourage discussion.)

Dealing with bad facilitators.

- * Either reform them, or stop attending their meetings.
- * Either way, let them know. *IN PRIVATE*.
- * Explain the problems:
 - * Meetings are longer than needed.
 - * Meetings are unfocused.
- * Suggest the Agenda Wiki, shorter timeslot, etc.

My meeting policy

After spending too much time in meetings I realized that if everything else can be budgeted away (travel, computing resources, etc.), I can introduce a new meeting policy for myself.

Budget

I have a budget for recurring meetings. The budget stands at 12.5% of my working time (40 hours per week \Rightarrow 5 hours of meetings, i.e. one per day). Weekly meetings are not supposed to take more than 7.5% (i.e. I have 3 hours of weekly meetings per week), and the other 5% (two hours) are reserved for less-often meetings.

Confused? Current weekly meetings:

* all-team meeting, one hour

* team-leads meeting, one hour

And I have one hour left for weekly meetings.

Loopholes:

Of course, the budget above doesn't deal with non-recurring meetings. I'll see about those if they happen to become a problem.

Meeting times

Due to my current timezone and the teams I'm working with, all recurring meetings will be restricted to a specific time slot: after 15:00 Zürich time.

Non-recurring meetings are restricted to the same time slot, exceptional cases (people traveling here, etc.) being, of course, an exception.

Furthermore, Mondays and Fridays are not favorable to meetings. I can have meetings on those days, but I won't be happy.

Meeting types

Of course, there are different meeting types/purposes, so treating all the same is not right. However, I'll make it simple: any 'meeting' whose purpose is not:

* to solve a technical problem

- * a collaboration that will result in a design document
- is a meeting, and is a subject of the above rules.

This is the "meeting budget" a co-worker recently announced for himself.

Chapter 5: Tools for a "Out of Office"

"Out of Office"

- * Goals:
 - * Coverage
 - * Keep others informed.
- Techniques:
 - * Review upcoming Todo lists.
 - * The OOO countdown
 - * Set appropriate messages.

Short-term Out Of Office:

* 1-2 days

*

- * Check Todo List.
 - * Manage "due date" items.
 - * Contact requester, renegotiate date or delegate.
 - * Might be better to do with your boss than requester.

Long-term Out of Office

- Vacations, trips, etc.
- * Establish a "count-down":
 - * *x* days in advance:
 - * Announce to boss, others.
 - Plan coverage (co-worker, clerk, etc.)
 - Coverage doesn't have to be perfect. Just recurring todos, common tasks.
 - * Timeline should be written, have manager signoff.
 - Communication:
 - * If/when any email announcements, etc.

Long-term OoO (pt 2)

- Training:
 - * Train those that will cover for you.
 - * Update documentation.
 - Have them practice
- * 7 days prior:
 - * Coverage people should do all tasks at least once.
- * 1 day prior:
 - * No "root" or "administrator" access for you!
 - * Set "vacation" message on email, voicemail, etc

On Return...

- * Checklist:
 - * Disable "vacation" message on email and VM
 - * Meet with coverage people.
 - * Identify gaps in documentation, other issues.
 - * Enumerate tasks left for when you return.

* Hopefully a ticket is filed for each.

* Announce you have returned (reply-all to previous announcement email? walk around saying "hi"?)

Chapter 6: Tools for a "Half Day"

Half Day

- * Example: The half-day before Thanksgiving
- * Goals:
 - Don't drop any high-priority issues / deadlines.
 - * Leave on-time.
- Techniques:
 - * Prioritize and schedule.
 - * Limit elastic tasks.
 - * Communicate, coverage, etc.
- * Special case: day before holiday:
 - * Often nobody gets work done. Is a party. Plan for this!

Chapter 7: Tools for an "Emergency Outage"

Day 3:				
	ABC	Prioritized Daily Task List		
	В	Phone JP		
	Α	Add wiki page: new support hours		
	С	Ticket catchup (3 hours)		
	Α	Upgrade Oracle for Sales group		

Emergency Day

- * Was going to be a normal day, then a major outage happens.
- * Goal:
 - * Solve the outage!
- Techniques:
 - * Be visible to customers.
 - * Be focused.
 - * Know when to accept help.
 - * Communicate the management chain and/or customers.

Techniques

- * Respond visibly:
 - Match customer expectation:
 - * They want to see action so do something visible
 - * "we're down" web page, signs on wall, "running SAs"
- * After initial diagnosis, communicate.
 - * Inform management (hourly?)
 - * Review "todo list" -- Renegotiate "A" priority items.
 - * Ask boss to do the negotiations. Excuse you from mtgs.
 - * Benefit: keeps boss out of your hair.

Other tips...

- * Accept help from others.
 - Ye seen many sysadmins try to "go it alone" or not accept help during an outage. Accept offers of help.
 - * Even a "second pair of eyes" is a powerful thing.
- * Know when you are tired.
 - * Assign external person to force you to take breaks.
 - * Work in shifts for multi-day outages.
- * Fix the urgent problem, save the long-term fix for later.
 - "Quick fix" is ok.
 - * Schedule long-term fix for next maintenance window.

Post mortem and preventions

- * After an emergency, publish a "Post Mortem"
- * Goal:
 - Document what went wrong, what went right, can can be done to prevent this in the future.
 - * Non-Goal: to place blame.
- * List:
 - What went wrong
 - * Timeline (pages, actions taken, emails sent, etc.)
 - Core problems
 - Preventions for the future:
 - List ticketId assigned to each recommendation
 - People involved

Summary

Plan how you will approach your day:

- * Meeting-Free / Mixed / Meeting-Packed
- * Use appropriate tools:
 - * All: Todo list + Calendar
 - Meeting-Free: Focus
 - * Mixed: Squeeze in tasks where you can.
 - * Meeting-Packed: Efficient Meetings
- Meeting efficiency:
 - * Depends on YOUR activity and FACILITATOR'S planning.

Life Goals

Get what you want out of life!

Date

Rocks, pebbles and sand

-

* If you put the sand into the jar first, there is no room for the pebbles or the rocks. The same is true for your life: If you spend all your energy and time on the small stuff, you will never have room for the things that are important in life.

http://www.juliaferguson.com/cool.html

Make time for the big things

- * When do we have time for big things?
 - Taking a long vacation
 - * A week writing code to save months of labor
- * Answer: Never!

So what do we do?

- * We make time.
- * We schedule the vacation a far in advance.
- * Weeks before we...
 - * Train the person that covers for us.
 - Update documentation
 - * etc.

* Other "big projects" require the same.

Life goals:

- Goals should be measurable: "Lose 20 pounds by January", not "Lose weight"
- * Don't be afraid to dream
- * What do you want to accomplish...
 - * 1 month from now?
 - * 1 year from now?
 - * 5 years from now?
 - * In your lifetime?

Exercise: Life goals

- * Spend 5 minutes writing down your 1m, 1y, 5y, life goals.
- * Write 1-2 per category (1 work, 1 personal)
- Nobody will be seeing these, feel free to write the secret goal that you may be embarrassed to share.

Actions to achieve goals:

Category:	Goal:	Actions:
1 Month		
1 Year		
5 Years		
Lifetime		

Goal-planning is a lifetime task

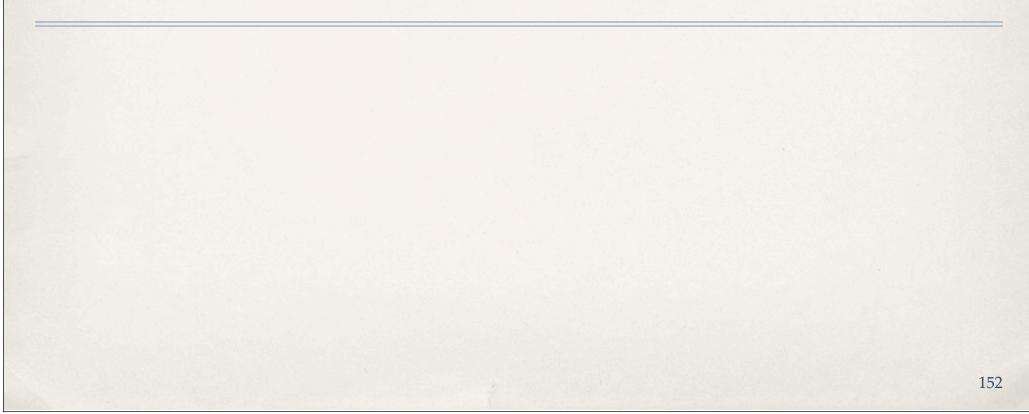
- * Keep your list in your planner
- * Add new ideas when you think of them
- Review it periodically
- * This 5 minute exercise wasn't enough time
 - Week-long workshops, weekend retreats, family discussions, etc

Routine: 1st day of month

- * Re-read list of goals (keep copy in dayplanner)
- Sprinkle action items into your schedule that bring you closer to these goals.
- PAA: Do it when you load the next month of paper into your organizer
- * PDA: Schedule a recurring event called "Monthly Goal Review"



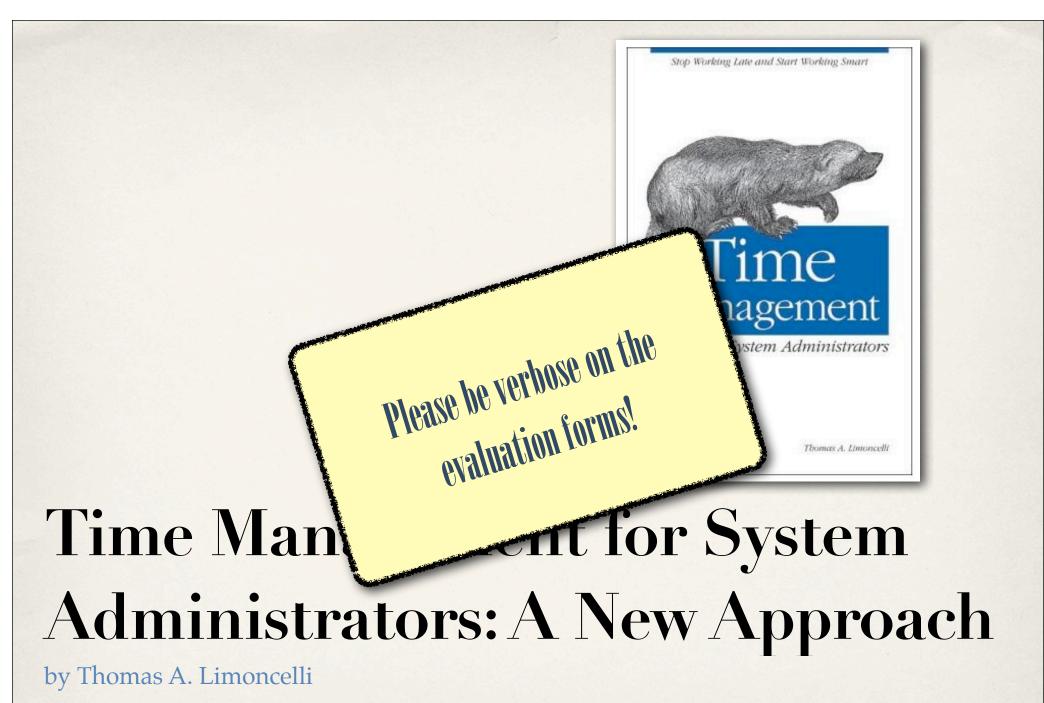
What are you going to do with all this free time?



REVIEW:

- List 3 techniques you found most useful
- Circle the one you commit to doing

More tips: www.EverythingSysAdmin.com wiki.EverythingSysadmin.com



Usenix LISA 2009, Baltimore, MD