



Thunderbird/Lightning Managing Time...

- **Berend Cornelius**
- **Software Engineer**
- **Sun Microsystems**



Motivation and Considerations

- Customers' Demand
- Platform Independence
- Open Source Product

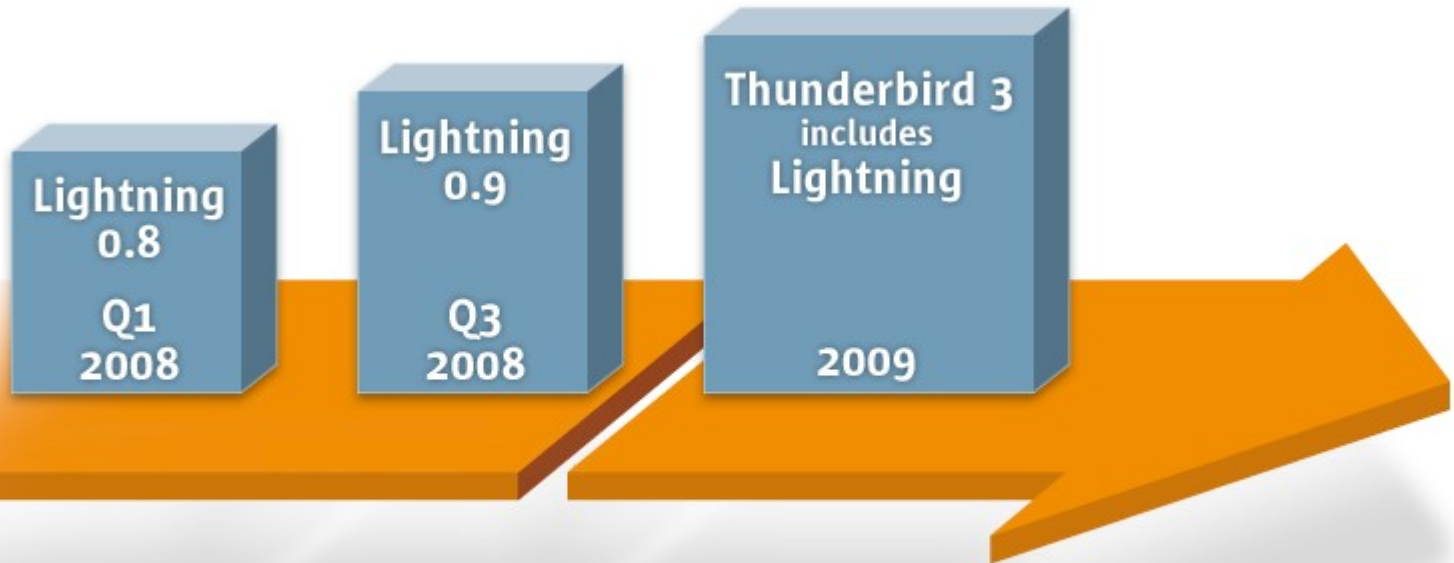
The Mozilla Platform

- A very vivid Community
- Broad Acceptance all over the World
- Stable mature and consistent Technology based on
 - > Java Script
 - > Cascading Stylesheets (css)
 - > XUL
 - > XPCOM

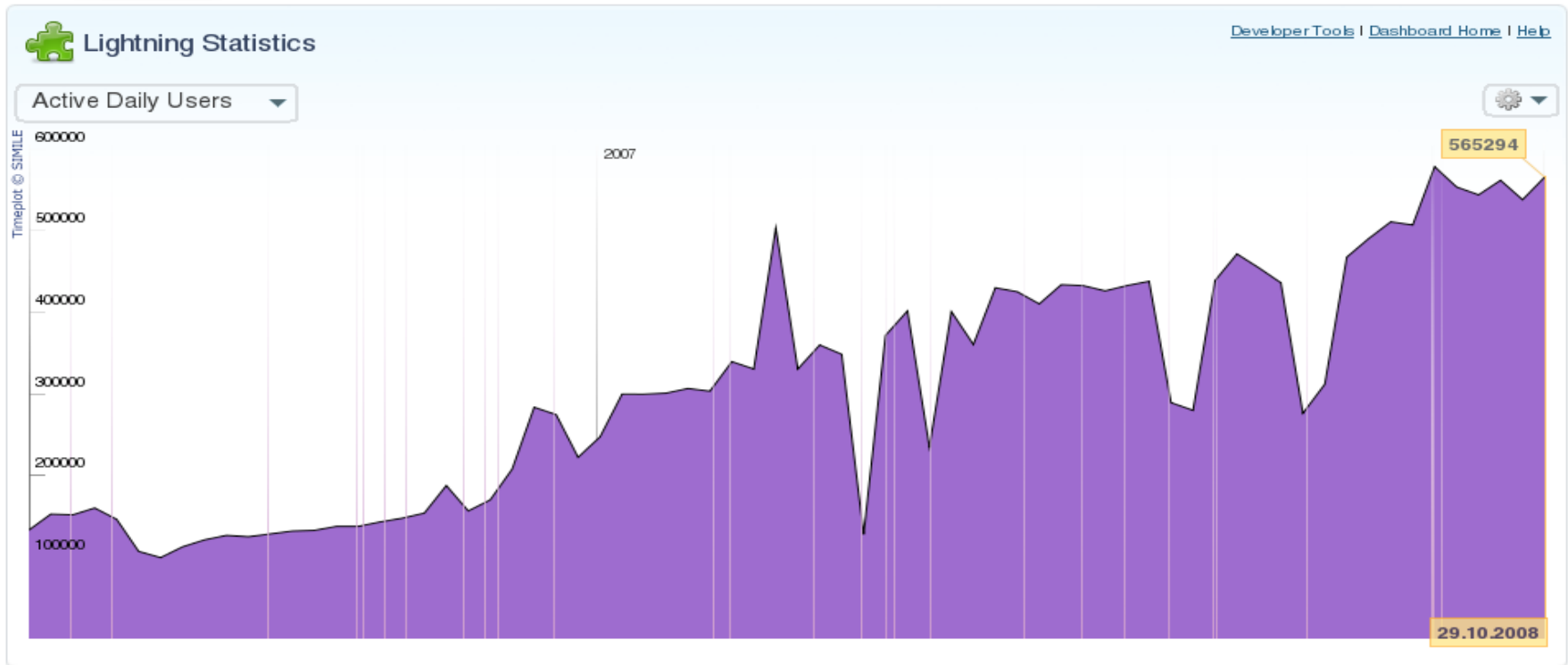
The Mozilla Calendar Project

- Shipped in 31 locales on all major platforms
 - > Windows
 - > Solaris (x86 & SPARC)
 - > Linux
 - > Mac (PPC & Intel)
- Sunbird
 - > Standalone Application
- Lightning
 - > Extension for Mozilla Thunderbird (well accepted e-Mail client)

Lightning Roadmap



Lightning Statistics



Total Downloads

Since Mar. 30, 2006

2,605,563

Last Day Count

Thursday, Oct. 30

4,605

Average Daily Downloads

5,328

Downloads in the last 7 days

33,279

Active Daily Users

On Wednesday, Oct. 29

565,294

Change from previous count

537,644 on Oct. 22

+5.14%

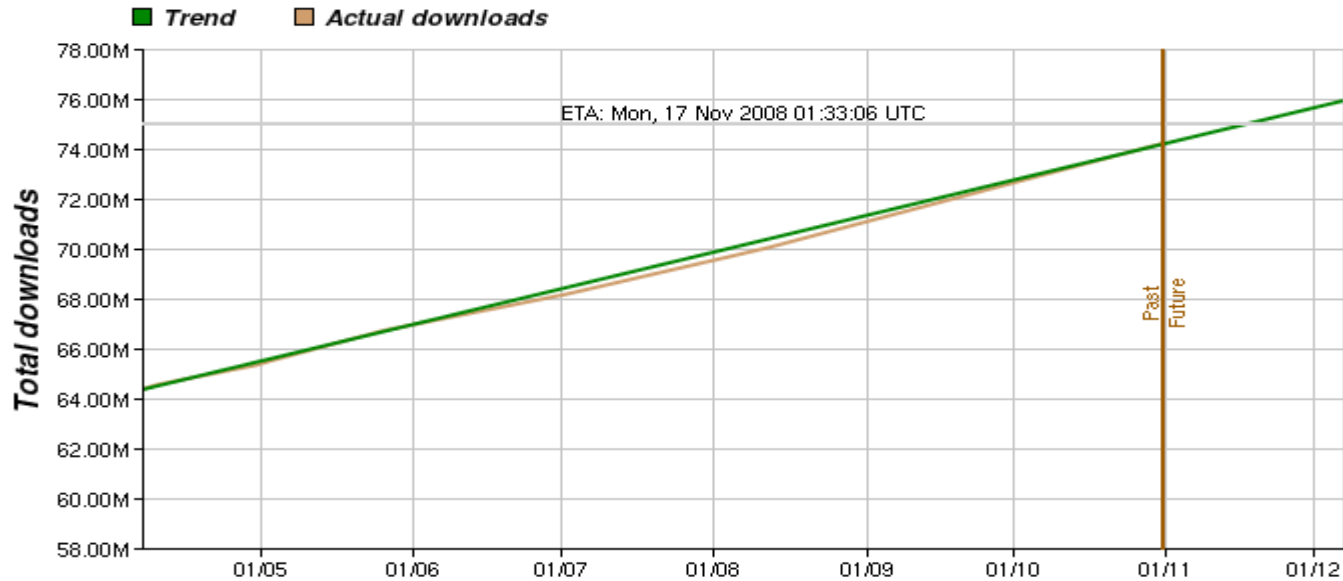
Average Daily Active Users

308,699

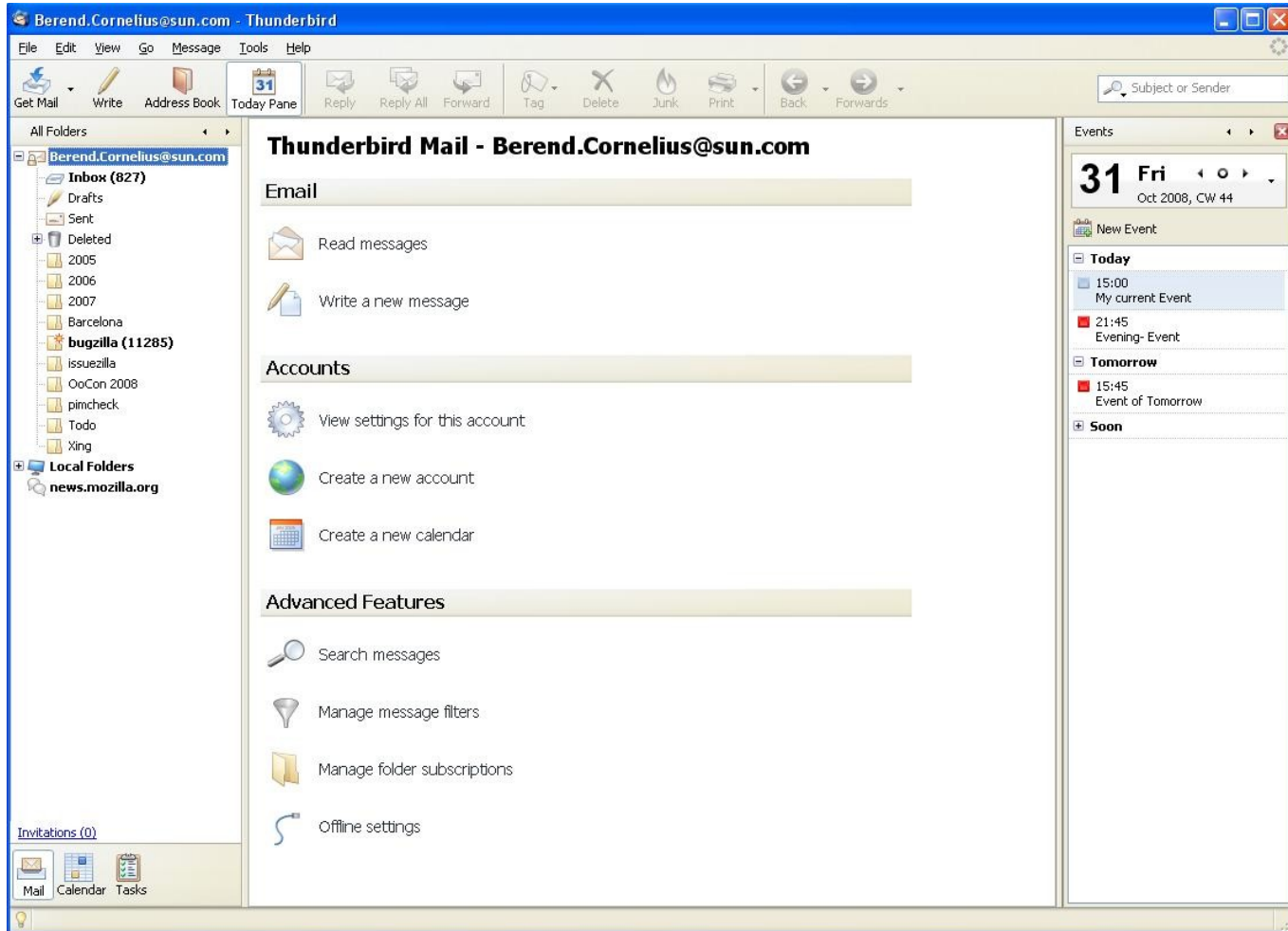


Thunderbird Statistics

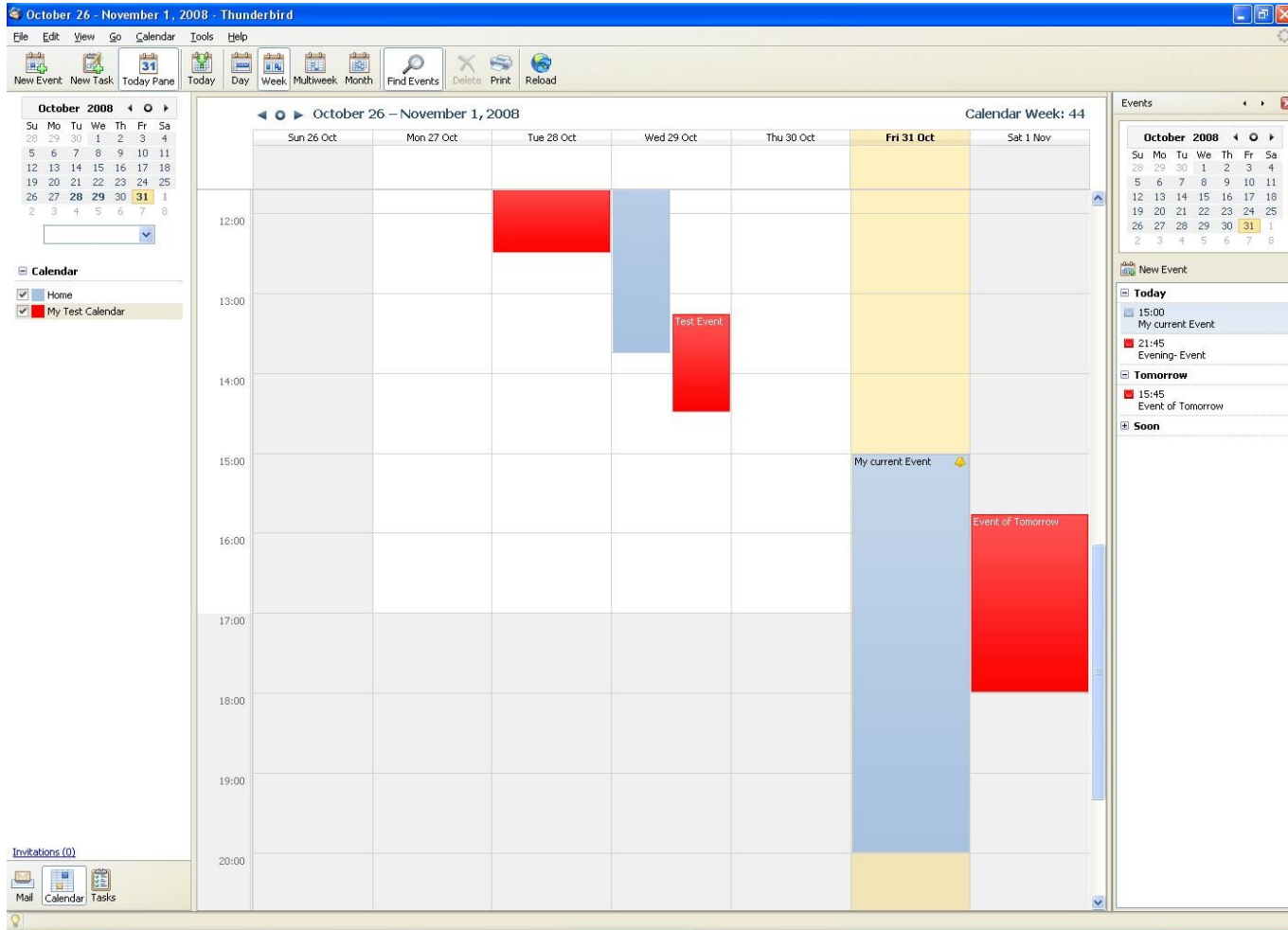
Thunderbird downloads



Lightning 0.9 Mail Mode



Lightning 0.9 Calendar Mode



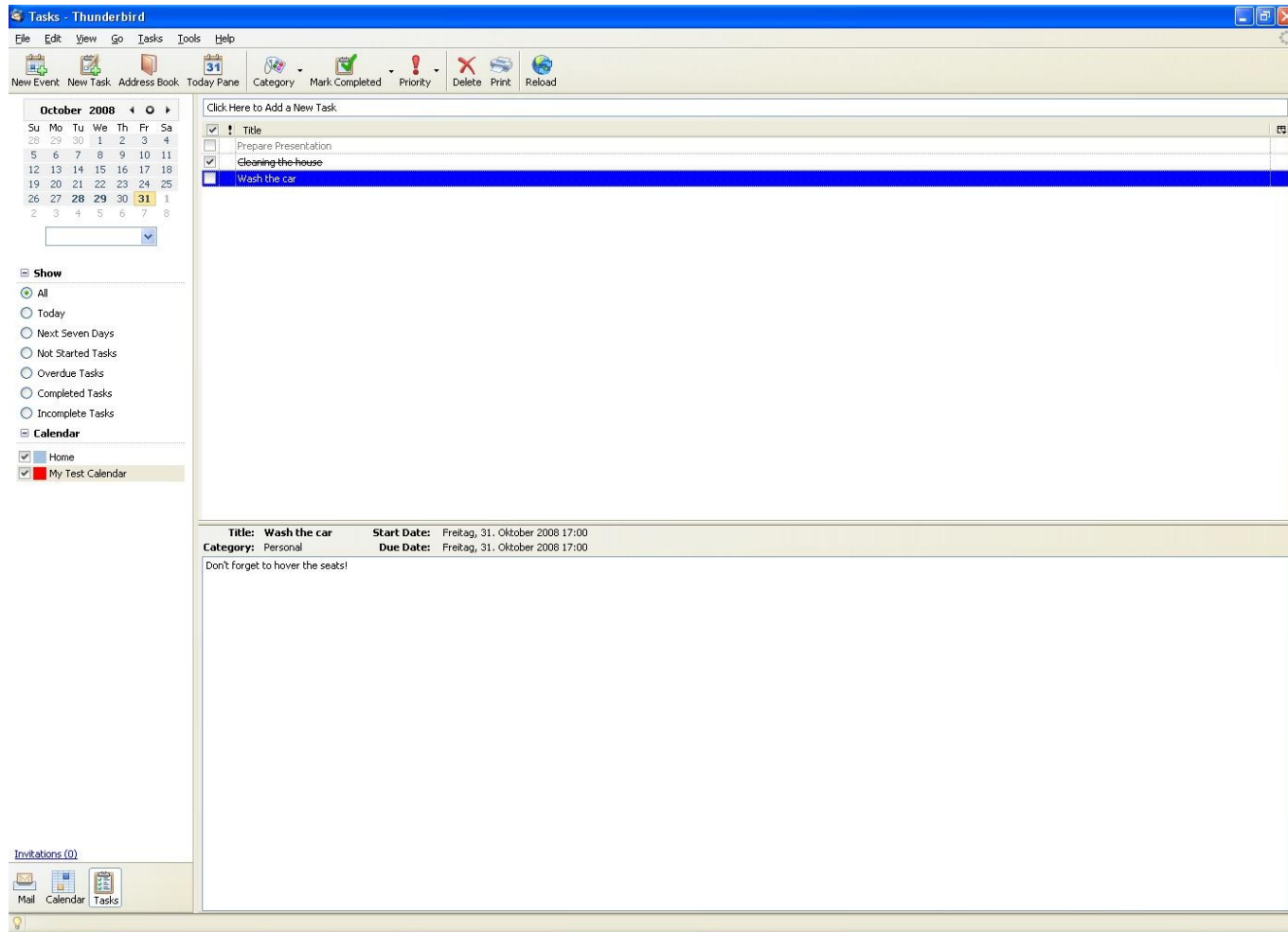
The screenshot displays the Thunderbird Lightning 0.9 Calendar Mode interface. The main window title is "October 26 - November 1, 2008 - Thunderbird". The interface includes a menu bar (File, Edit, View, Go, Calendar, Tools, Help), a toolbar with icons for "New Event", "New Task", "Today Pane", "Today", "Day", "Week", "Multiweek", "Month", "Find Events", "Delete", "Print", and "Reload".

The central calendar view shows a week from Sunday, October 26 to Saturday, November 1, 2008. The time axis on the left ranges from 12:00 to 20:00. Events are displayed as colored blocks: a red block on Tuesday, Oct 28 (12:00-13:00); a blue block on Wednesday, Oct 29 (13:00-14:00) labeled "Test Event"; a red block on Wednesday, Oct 29 (14:00-15:00) labeled "Test Event"; a yellow block on Friday, Oct 31 (15:00-20:00) labeled "My current Event"; and a red block on Saturday, Nov 1 (16:00-18:00) labeled "Event of Tomorrow".

On the left side, there is a monthly calendar for October 2008 and a "Calendar" panel with checkboxes for "Home" and "My Test Calendar". At the bottom left, there are icons for "Mail", "Calendar", and "Tasks", and a status bar showing "Invitations (0)".

On the right side, there is an "Events" panel with a monthly calendar for October 2008 and a list of events categorized by "Today", "Tomorrow", and "Soon". The "Today" section lists "15:00 My current Event" and "21:45 Evening- Event". The "Tomorrow" section lists "15:45 Event of Tomorrow".

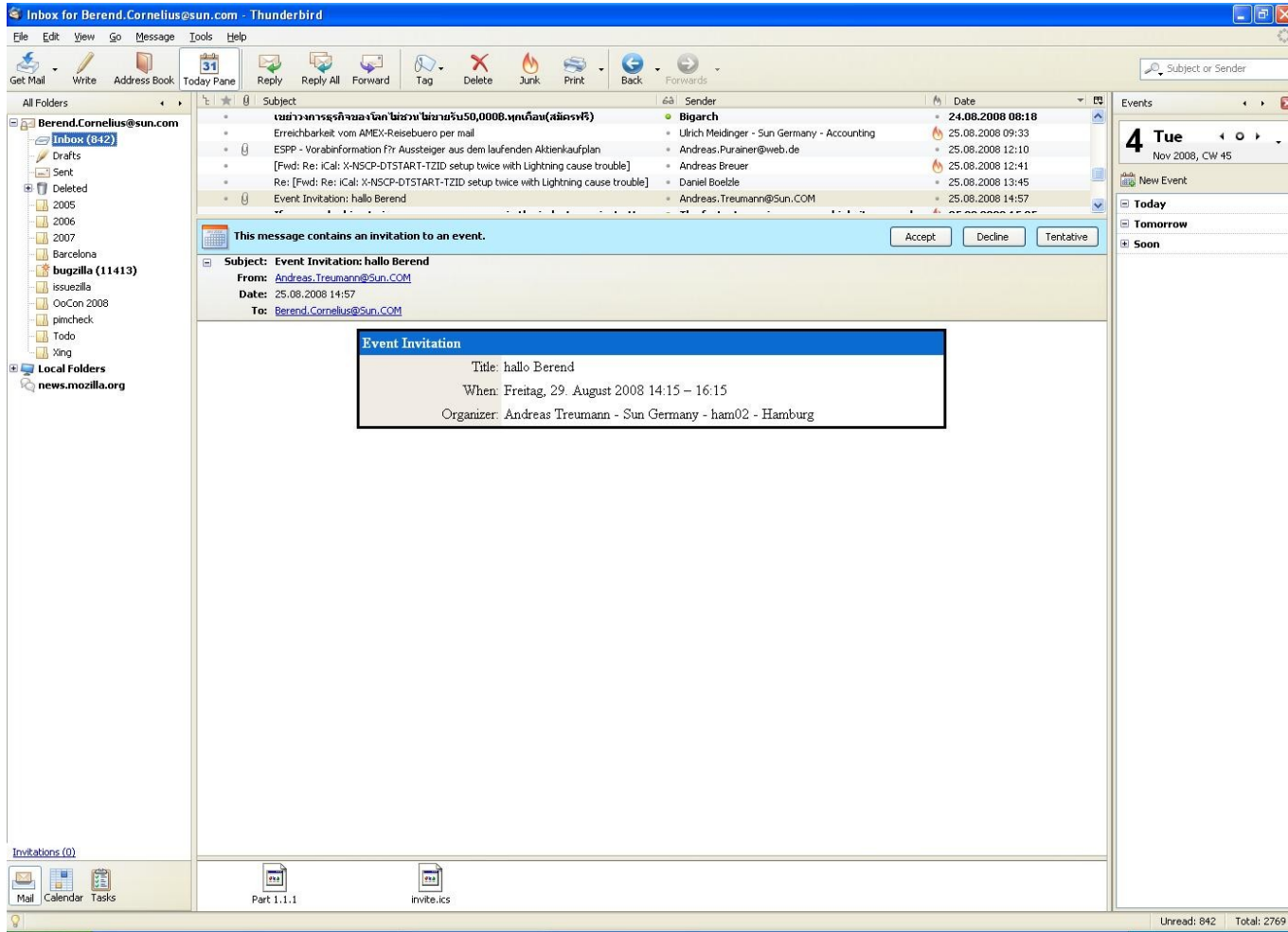
Lightning 0.9 Task Mode



Major Standards

- ICalendar (RFC 2445)
- iTIP/iMIP (RFC 2446 and RFC 2447)
- CalDAV (RFC 4791)
- WCAP

Receiving an Invitation



The screenshot shows the Thunderbird email client interface. The main window displays an email from Andreas.Treumann@Sun.COM with the subject "Event Invitation: hallo Berend". The email content includes an event invitation for "hallo Berend" on Friday, August 29, 2008, from 14:15 to 16:15, organized by Andreas Treumann at Sun Germany in Hamburg.

Event Invitation

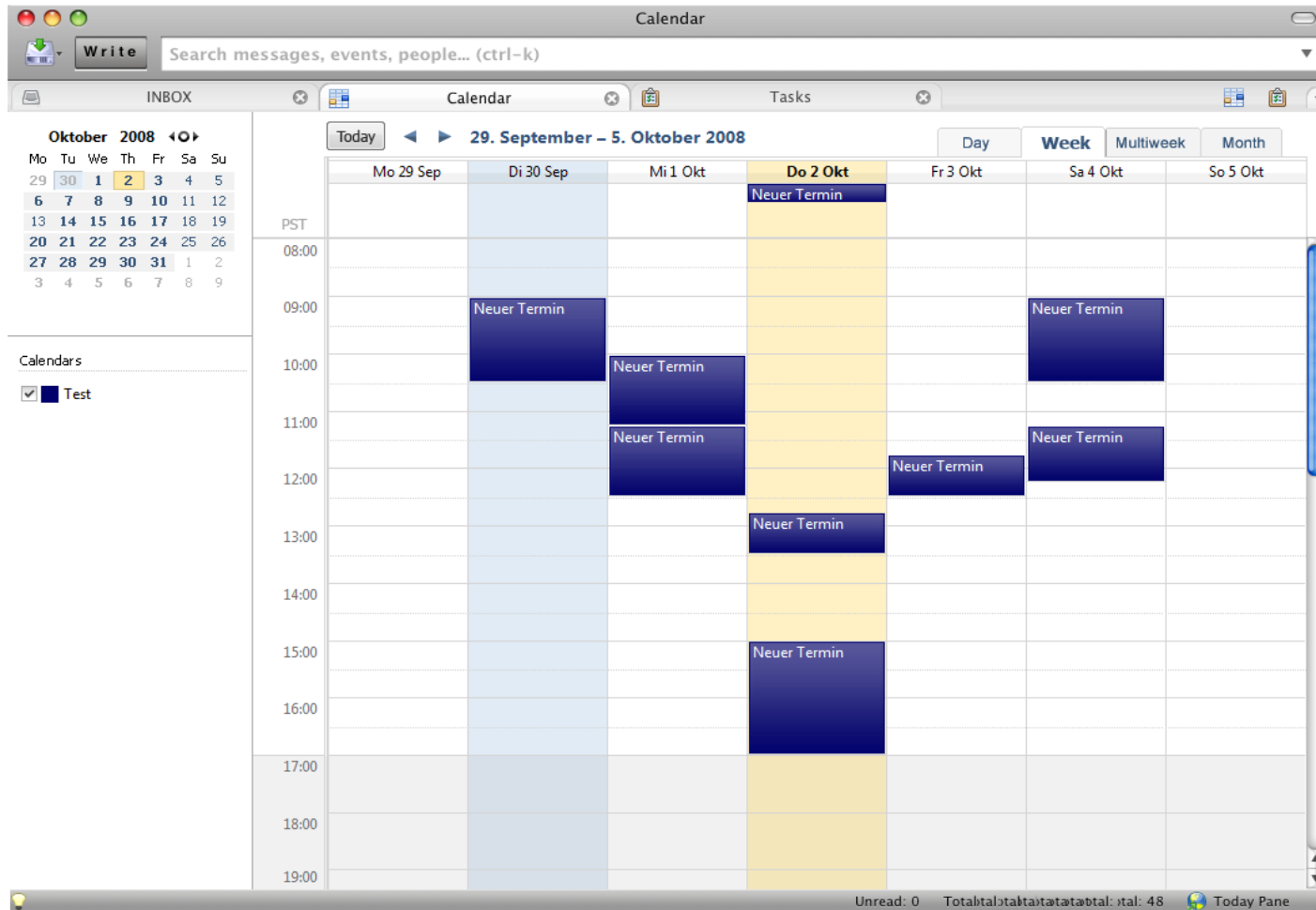
Title: hallo Berend

When: Freitag, 29. August 2008 14:15 – 16:15

Organizer: Andreas Treumann - Sun Germany - ham02 - Hamburg

The interface also shows a list of folders on the left, a toolbar at the top, and a status bar at the bottom indicating 842 unread messages and a total of 2769 messages.

Lightning Integration in Thunderbird



The screenshot shows the Thunderbird Calendar window. The title bar reads "Calendar". Below the title bar is a search bar with the text "Search messages, events, people... (ctrl-k)". The interface includes a "Write" button and a tabbed view with "INBOX", "Calendar", and "Tasks".

On the left side, there is a calendar navigation pane for "Oktober 2008". The days of the week are abbreviated as Mo, Tu, We, Th, Fr, Sa, Su. The dates 29, 30, 1, 2, 3, 4, 5 are visible, with the 2nd of October highlighted. Below this is a "Calendars" section with a checked box for "Test".

The main calendar area is in "Week" view, showing the period from "29. September" to "5. Oktober 2008". The days are labeled: Mo 29 Sep, Di 30 Sep, Mi 1 Okt, Do 2 Okt, Fr 3 Okt, Sa 4 Okt, So 5 Okt. The time slots range from 08:00 to 19:00 PST. The "Do 2 Okt" column is highlighted in yellow. Several blue rectangular events labeled "Neuer Termin" are visible: one on Di 30 Sep (09:00-10:00), one on Mi 1 Okt (10:00-11:00), one on Do 2 Okt (13:00-14:00), one on Do 2 Okt (15:00-16:00), one on Fr 3 Okt (11:00-12:00), and one on Sa 4 Okt (09:00-10:00).

At the bottom of the window, the status bar shows "Unread: 0" and "Totaltaletaktatataetal: ital: 48".

Links

Mozilla Calendar Project

<http://www.mozilla.org/projects/calendar>

Calendar Weblog

<http://weblogs.mozillazine.org/calendar/>

Mailing Lists

<news://news.mozilla.org/mozilla.dev.apps.calendar>

<news://news.mozilla.org/mozilla.support.calendar>

Nightly builds

<ftp://ftp.mozilla.org/pub/mozilla.org/calendar/lightning/nightly/>



Enjoy your Time!

- **Berend Cornelius**
- **Berend.Cornelius@sun.com**