



# Memorandum

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**To:** Kevin Long  
**From:** John Effland  
**Date:** 2006-01-27  
**Revisions:** 2006-01-27      jee      Initial  
**Subject:** Update to ALMA EDM Response Times

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## 1. Introduction

This document compares load times on ALMA EDM before and after turning off hyperthreading on the server. This change apparently made little difference in load times. Load times with hyperthreading running are dated 2006-01-26 and after hyperthreading are dated 2006-01-27.

Durations were obtained using a window-based stopwatch program, which causes some errors because I need to click on the relevant ALMA EDM link in the IE window and then click on the stopwatch box to start. However, the errors are probably about 0.5 secs, which is insignificant for the long durations of interest.

The browser is Internet Explorer, and it's not routed through NRAO's proxy.

## 2. Baseline Measurements

For reference, here's load times for a few apps that I don't think are loaded into NRAO's cache:

www.ups.com  
2006-01-26 18:13      7.6s

2006-01-27 14:27      **Nearly instantaneous!**

www.fedex.com  
2006-01-26 18:14      2.6s

2006-01-27 14:27      **1.2s**

www.microsoft.com  
2006-01-26 18:14      2.5s

2006-01-27 14:28      **1.7s**

### 3. Initial Login Screen

If I select my "Front End" from my "Favorites" list in IE, here's load times for the initial screen to show the login prompt:

2006-01-26 17:49	8.3s
2006-01-26 17:51	7.8s

2006-01-27 14:29	1.5s
2006-01-27 14:32	3.6s
2006-01-27 14:32	3.4s

### 4. After Login to "Front End" Page

This section provides access times to display the "Front End" page<sup>1</sup> after logging in.

The "Current Workspace", "Zone Toolbar", and "Navigation & SiteScape Forums" are displayed in about 5s, but entire page load times are much longer:

2006-01-26 17:53	28.6s!
2006-01-26 17:54	28.7s!

2006-01-27 14:31	27.2s
2006-01-27 14:31	26.3s
2006-01-27 14:38	26.4s

### 5. "Cartridges" Page from "Front End" Page

From the "Front End" screen, when I click on "Cartridges, "Current Workspace", "Zone Toolbar", and "Navigation & SiteScape Forums" are displayed in about 3s, but entire page load times are:

2006-01-26 18:02	13.2s
2006-01-26 18:03	12.6s

2006-01-27 14:34	11.2s
2006-01-27 14:34	12.3s

### 6. "Front End Design Reviews" Page from "Front End" Page

If, from the "Front End" page, I click on "Front End Design Reviews" (containing one document), "Cartridges, "Current Workspace", "Zone Toolbar", and "Navigation & SiteScape Forums" load in a few secs, but the load time for that page is:

2006-01-26 18:07	8.2s
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2006-01-27 14:39	7.8s
2006-01-27 14:40	7.5s

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<sup>1</sup> <http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/>