

# DST 2007

## A Daylight Saving Time 2007 Primer

# DST 2007 OS Impact

- No Update needed
  - Windows Vista
- Update available [Microsoft Download Center, KB931836](#), Windows Update and WSUS
  - Windows XP SP2
  - Windows 2003
  - Windows 2003 SP1
  - Windows Embedded for PoS
  - Windows Fundamentals for Legacy PC's
- Update available via Extended Hotfix Support
  - Windows 2000 – (TZEdit , Reghack, [IntelliAdmin 3<sup>rd</sup> party patch](#))
- No update available
  - Windows XP SP1
  - Windows NT 4 – ([IntelliAdmin 3<sup>rd</sup> party patch](#))

# DST 2007 MS Product Impact

- Outlook – See [KB931667](#)
  - Requires running the Outlook Time Zone update tool.
- Exchange Server
  - Exchange 2007: No update required
  - Exchange 2003 SP2: See [KB926666](#) (See [KB895949](#) also)
  - Exchange 2003 SP1: See [KB931978](#)
  - Exchange 2000: See [Extended Hotfix Support](#) (EHSA)
  - Exchange 5.5: Under Custom Support, requires CSA
- Windows Sharepoint Server
  - Sharepoint Services 3.0: No update required
  - Sharepoint Services 2.0: See [KB924881](#) and [KB888253](#)
- SQL Server Notification services: See [KB931815](#)

# DST 2007 MS Product Impact, Contd

- Office Live Meeting: **KB Article pending**
- Microsoft Dynamics CRM: See [KB925874](#)
- Visual SourceSafe: See [KB931804](#)
- Windows Mobile: See [KB923953](#)
- Windows CE: See [KB923027](#)
- Entourage: See [Microsoft Office Update for Mac 11.3.3](#)
- Visual Studio: See [Visual Studio DST](#)

# Recommended Order of Applying MS Patches

- The order for applying Microsoft patches is documented on the following web site:

<http://office.microsoft.com/en-us/outlook/HA102086071033.aspx?pid=CH100776851033>

1. Patch all client and server operating systems with [928388](#). For legacy operating systems that cannot be patched, follow the steps documented in [914387](#).
2. For mobile devices, contact the OEM for necessary updates.
3. For 3<sup>rd</sup>-party clients, contact the device manufacturer.
4. Apply the Exchange Server 2003 Update for CDO ([926666](#)) to all Exchange servers.

**Important Note:** It is recommended that you **NOT** apply the above patches until the Outlook/Exchange Data Update Tools are released (Outlook tool targeted for February 1<sup>st</sup> with the Exchange tools following 1-2 weeks later). This topic is discussed later in the presentation. For more information on the Outlook Time Zone Data Update Tool, see Article [931667](#).

# Best Practice Update Rapid

- Rapid Upgrade Path
  - Apply the Windows DST patch (928388) to clients and servers
  - In same maintenance window, apply the CDO patch to messaging servers
  - Once the patching process is complete, IMMEDIATELY run rebasing tool in bulk
- Currently, each run of the Exchange Time Zone Date Update Tool should only be run against mailboxes in a single time zone. The hope is that by the release date, the tool will have the ability to run against all mailboxes on a server (even if in different time zones) while rendering the time zone of each mailbox or appointment on the fly. This would simplify the process of running the tool and eliminate the need to create separate input files as listed below.
- Prepare 7 input files (one for each affected time zone). The Exchange Data Update tool will accept a list of users listed by legacyExchangeDN. To retrieve legacyExchangeDN, the following CSVDE command should suffice:

```
csvde -f output.csv -r "{&(objectclass=user)(homemdb=*)}" -l legacyExchangeDN,l,st
```
- An alternative to searching on objectClass is to search on objectCategory. objectCategory is indexed which will result in better query performance and less stress on the domain controllers.

```
"{&(objectcategory=cn=person,cn=schema,cn=configuration,dc=<domain>,dc=<com>)(homemdb=*)}" -l legacyExchangeDN,l,st
```
- Sort the spreadsheet into 7 groups (one for each time zone) based on city/state. Then split them into 4 files, removing the DN, city, and state columns. This will effectively become the "input" file for each run of the admin-based rebasing tool. As you may suspect, this won't be full-proof, but it will catch the majority of users.

# Best Practice Update Protracted

**Summary:** Fallback plan for customers concerned with...

- Inability to patch clients in time due to unmanaged/uncontrollable desktops
- Message storms caused by bulk updates
- Lack of IT expertise to coordinate well-timed client and server updates with rebasing

## Overview of First Stage:

**\*\* Important \*\*** Communicate that users must not create calendar items within the extended DST periods until rebasing is performed on their mailbox.

- If users must create a calendar item that falls within the delta periods, users should manually type time of intended event within subject of calendar item.
- Educate users to the consequences associated with creating appointments prior to the run of the rebasing tool (results in mixture of DST2006/2007-generated items)
- Items residing within the delta periods should be treated as suspect even after the rebasing tools have run.
- Proceed to patch all messaging servers with 926666 (CDO) and OS update
- Proceed with patching of all clients where possible. This may take some time, but there is no need to wait for the release of the rebasing tools since users have been instructed not to create appointments that fall within the delta periods. Note that the OS patch will be reclassified as a critical update after the Exchange rebasing tools have been released. This will help ensure all unmanaged desktops are patched prior to running the rebasing tools.

# Best Practice Update Protracted, Contd

**Goal:** Rebase after all clients' operating systems are patched

- Use the Exchange Time Zone Data Update Tool
  - or–
- Deploy the Outlook Time Zone Data Update Tool (rebasing) tool to users
  - TIP:** Prior to the application of the Windows DST patch, users can print out their calendars for verification. After the application of the DST patch, users can then update calendar entries with the Outlook Time Zone Data Update Tool at their own leisure, which allows them the most control over which items they want to update and when to update them. This option will also be useful for those who have Calendar folders located in .PST files.
- At this point, the DST transition periods are no longer “off limits” and users can safely create new calendar entries.
- Instruct users to treat any existing items during those weeks as suspect. You may now encourage users to manually modify incorrect appointments within the extended DST delta periods. Do not instruct users to manually modify incorrect appointments until the patching and rebasing process is complete; otherwise, items modified by users may again be modified by the rebasing tools.

**Benefits:** Besides unrushed admin work, the big benefit here is that message storms are mitigated. Since rebasing tools will find very few meetings within the DST transition periods, they will run faster and the volume of “meeting update” messages will be reduced.



# DST 2007 Links

## Windows

- [http://support.microsoft.com/gp/cp\\_dst](http://support.microsoft.com/gp/cp_dst)

## Cisco

- [http://www.cisco.com/en/US/tech/tk648/tk362/technologies\\_tech\\_note09186a00807ca437.shtml](http://www.cisco.com/en/US/tech/tk648/tk362/technologies_tech_note09186a00807ca437.shtml)

## Netware

- [https://secure-support.novell.com/KanisaPlatform/Publishing/60/3397648\\_f.SAL\\_Public.html](https://secure-support.novell.com/KanisaPlatform/Publishing/60/3397648_f.SAL_Public.html)

## Sun

- <http://sunsolve.sun.com/search/document.do?assetkey=1-26-102178-1>

## Java

- <http://java.sun.com/developer/technicalArticles/Intl/USDST/>

## Apple

- <http://docs.info.apple.com/article.html?artnum=303411>

## Novell Suse Linux

- [http://www.novell.com/support/search.do?cmd=displayKC&docType=kc&externalId=3655154&sliceId=SAL\\_Public&dialogID=17528944&stateId=0%200%2017536477](http://www.novell.com/support/search.do?cmd=displayKC&docType=kc&externalId=3655154&sliceId=SAL_Public&dialogID=17528944&stateId=0%200%2017536477)

## Red Hat

- [http://kbase.redhat.com/faq/FAQ\\_80\\_7909.shtm](http://kbase.redhat.com/faq/FAQ_80_7909.shtm)

## BlackBerry

- <http://www.blackberry.com/select/dst2007/>

## Lotus Notes

- <http://www-306.ibm.com/software/lotus/support/notes/support.html>

# DST 2007 Patches & Articles

**How to configure daylight saving time for the United States in 2007 (Legacy NT/2000)**

- <http://support.microsoft.com/?kbid=914387>

**February 2007 cumulative time zone update for Microsoft Windows OS (XP/2003)**

- <http://support.microsoft.com/kb/931836>

**Windows Mobile 5.0 Devices**

- <http://support.microsoft.com/kb/923953>

**Update for daylight saving time changes in 2007 for Exchange 2003 Service Pack 2**

- <http://support.microsoft.com/kb/926666/en-us>

**“Send As” permission behavior change in Exchange 2003**

- <http://support.microsoft.com/kb/895949/en-us>

**Update for daylight saving time changes in 2007 for Exchange 2003 Service Pack 1**

- <http://support.microsoft.com/kb/931978/en-us>

**BlackBerry Patches**

- <http://www.blackberry.com/DST2007/patch/index2.shtml>

**Support WebCast: Deploying Microsoft Windows 2000 updates for daylight saving time changes for worldwide use – *As mentioned by CWUG Member - Faisal Bawany***

- <http://support.microsoft.com/default.aspx/kb/930688>

# Questions

Christopher Kusek, CISSP, MCSE\*  
Christopher.Kusek@Peters.com  
Systems Architect – Solutions Specialist  
Peters & Associates  
Blog: [www.pkguild.com](http://www.pkguild.com)