

CUNY University of New York ERP Project

Technical Readiness Requirements

CITY UNIVERSITY OF NEW YORK ERP
PROJECT



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Hardware / Software

Supported OS & Browsers People Soft 9

The following are the combinations of web browser and client operating systems that are certified to work with PeopleSoft 9.0 and People Tools 8.5

- *MS-Internet Explorer*

PeopleSoft PeopleTools 8.50 is certified with Internet Explorer 9

Platform Version Support, Version Support Status

Microsoft Windows Vista (32-bit) Internet Explorer 9 Supported
 Microsoft Windows 2008 R2 x64 (64-bit) Internet Explorer 9 Supported
 Microsoft Windows 7 x64 (64-bit) Internet Explorer 9 Supported

PeopleSoft PeopleTools 8.50 is certified with Internet Explorer 8

Browser Printing work around:

Google Chrome Version 16.0.912; tested to function normally. No work around required
 Firefox (up to version 10.0): right click the page you are trying to print, Select `This Frame->Print Frame...`, you don't need to change any settings, the page will be printed.
 IE8: go to "File > Page Set Up", uncheck the "Enable Shrink to Fit" box, then print.
 IE9: We have not found any issues printing with IE9

Platform Version Support, Version Support Status

Microsoft Windows 2003 (32-bit) Internet Explorer 8 Retired
 Microsoft Windows Vista (32-bit) Internet Explorer 8 Supported
 Microsoft Windows 7 (32-bit) Internet Explorer 8 Supported
 Microsoft Windows XP (32-bit) Internet Explorer 8 Supported
 Microsoft Windows 2008 x64 (64-bit) Internet Explorer 8 Supported
 Microsoft Windows 2008 R2 x64 (64-bit) Internet Explorer 8 Supported
 Microsoft Windows 7 x64 (64-bit) Internet Explorer 8 Supported
 Microsoft Windows Vista x64 (64-bit) Internet Explorer 8 Supported

PeopleSoft PeopleTools 8.50 is certified with Internet Explorer 7

Platform Version Support, Version Support Status

Microsoft Windows 2003 (32-bit) Internet Explorer 7 Retired
 Microsoft Windows Vista (32-bit) Internet Explorer 7 Supported
 Microsoft Windows XP (32-bit) Internet Explorer 7 Supported
 Microsoft Windows Vista x64 (64-bit) Internet Explorer 7 Supported

- *Mozilla Firefox*

PeopleSoft PeopleTools 8.50 is certified with Firefox 3.6

Platform Version Support, Version Support Status

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Apple Mac OS X 10.5 (Intel) Firefox 3.6 Supported
 Apple Mac OS X 10.6 (Intel) Firefox 3.6 Supported
 Apple Mac OS X 10.4 (PowerPC) Firefox 3.6 Supported
 Linux x86 Oracle Linux 5 Firefox 3.6 Supported
 Microsoft Windows Vista (32-bit) Firefox3.6 Supported
 Microsoft Windows XP (32-bit) Firefox3.6 Supported
 Microsoft Windows 7 (32-bit) Firefox3.6 Supported
 Microsoft Windows 7 x64 (64-bit) Firefox3.6 Supported
 Microsoft Windows 2008R2 x64 (64-bit) Firefox3.6 Supported
 Microsoft Windows 2003 (32-bit) Firefox3.6 Retired

Mac Safari

PeopleSoft PeopleTools 8.50 is certified with Safari 5

Platform Version Support, Version Support Status

Apple Mac OS X (Intel) 10.5 Safari 5 Supported
 Apple Mac OS X (Intel) 10.6 Safari 5 Supported

PeopleSoft PeopleTools 8.50 is certified with Safari 4

Platform Version Support Version Support Status

Apple Mac OS X 10.4 (PowerPC) Safari 4 Supported
 Apple Mac OS X 10.5 (Intel) Safari 4 Supported
 Apple Mac OS X 10.6 (Intel) Safari 4 Supported

PeopleSoft PeopleTools 8.50 is certified with Safari 3

Platform Version Support, Version Support Status

Apple Mac OS X 10.4 (PowerPC) Safari 3 Supported
 Apple Mac OS X 10.5 (Intel) Safari 3 Supported

Software Requirements

PeopleSoft recommends that customers use Word, Excel and Visio XP, 2000, 2003, 2007, 2010 and Adobe Acrobat reader 4.5 or higher to run and review reports from CUNY FIRST.

A screen shot of the Supported Desktop Applications, Browsers and Clients is provided.

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Desktop Applications, Browsers and Clients	
Firefox	3 Releases (7, 3.6, 3.5)
IBM DB2 Client	2 Releases (9.7, 9.5)
IBM DB2 Connect	3 Releases (9.7, 9.5, 9.1)
IBM Informix Client SDK	1 Release (3.50)
Internet Explorer	3 Releases (9, 8, 7)
Microsoft Excel	3 Releases (2010, 2007, 2003)
Microsoft SQL Server Client	2 Releases (2008, 2005)
Microsoft Word	3 Releases (2010, 2007, 2003)
Oracle Database Client	7 Releases (11.2.0.3.0, 11.2.0.2.0, 11.2.0.1.0, 11.1.0.7.0, 10.2.0.5.0, 10.2.0.4.0, 9.2.0.8.0)
Safari	3 Releases (5, 4, 3)
Sybase Open Client	2 Releases (15, 12.5)
Enterprise Applications	

Browser Settings

Active X Controls

Active X Controls are not required for PeopleSoft. Note however that there is one known, minor exception in Enterprise Portal 9.0's Content Management feature. Content Management now includes a built-in GUI HTML editor. The HTML editor only appears when using IE w/Active X Controls enabled. When Active X is not available, standard HTML can still be entered. In this case, CM contributors can simply copy/paste HTML from their favorite HTML editor.

Java

PeopleSoft does NOT utilize Java technology within the browser. Java technology is only used on the server side (ie: web server and app server). Therefore, no JRE needs to be installed on the end-user's browser

JavaScript

JavaScript is heavily utilized within all PeopleSoft based products.

Minimum Browser Permissions

Cookies

Cookies must be allowed for authentication to work. For IE, in PRIVACY tab, settings for Internet Zone, settings should be 'Medium High' or lower, OR add all host names to Trusted Sites list and set security of this zone to 'Medium High' or lower.

?? = the exact IE settings for security zones / privacy settings cannot be confirmed until the infrastructure is completed and exposed to the Internet via Tivoli TAM. However, the primary requirement is that cookies must be allowed, as PeopleSoft-based applications, like most web applications, rely heavily on browser cookies.

Pop-ups

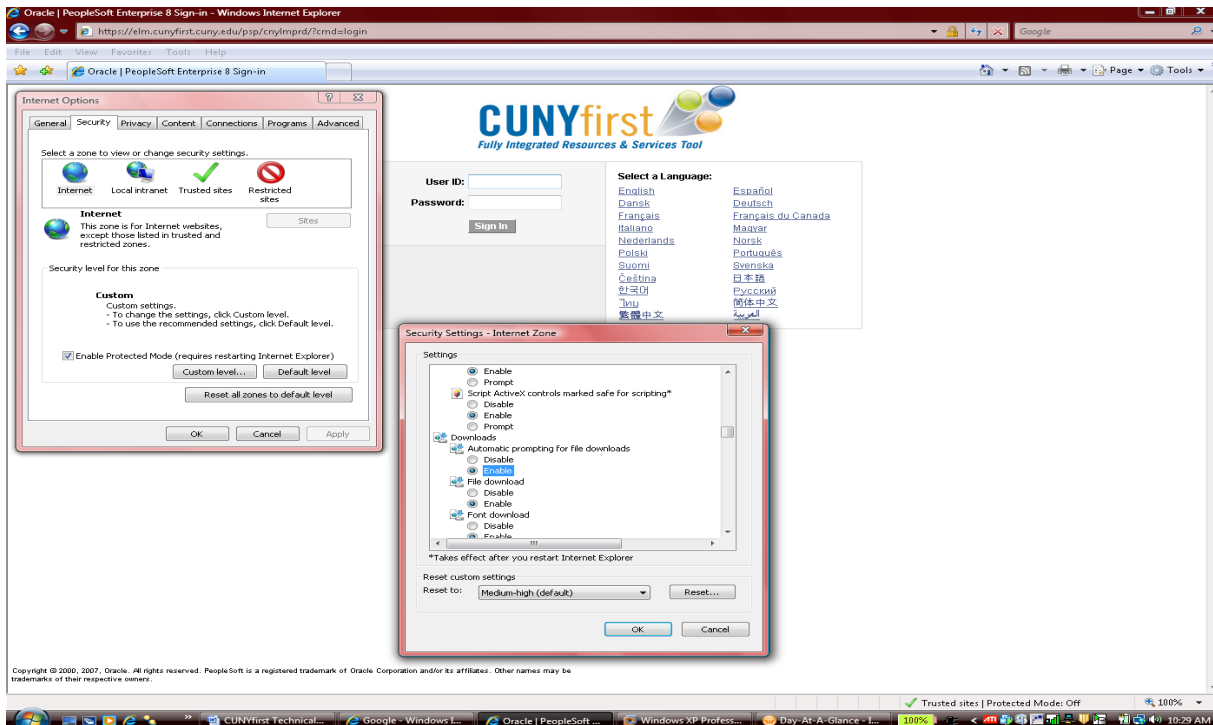
Pop-up's are used within all PeopleSoft applications. Therefore, pop-up blockers must be disabled for either ALL sites, or ALL PS web server sites (*.cunyfirst.cuny.edu) (not just PS Portal). IT Staff can configure browsers to allow pop- ups from all PS sites below either via group policy or a local configuration in the trusted site configuration of their supported browser. (*.cunyfirst.cuny.edu)

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Other

For "Internet Explorer for Windows", be sure to enable the following options:

- 'Use HTTP 1.1' (recommended for increased performance)
- 'Show Pictures'
- 'Use SSL 2.0' & 'Use SSL 3.0' (specific SSL version depend on web server settings)
- Enable 'Automatic prompting for file downloads' in Internet Security Zone.(Custom)



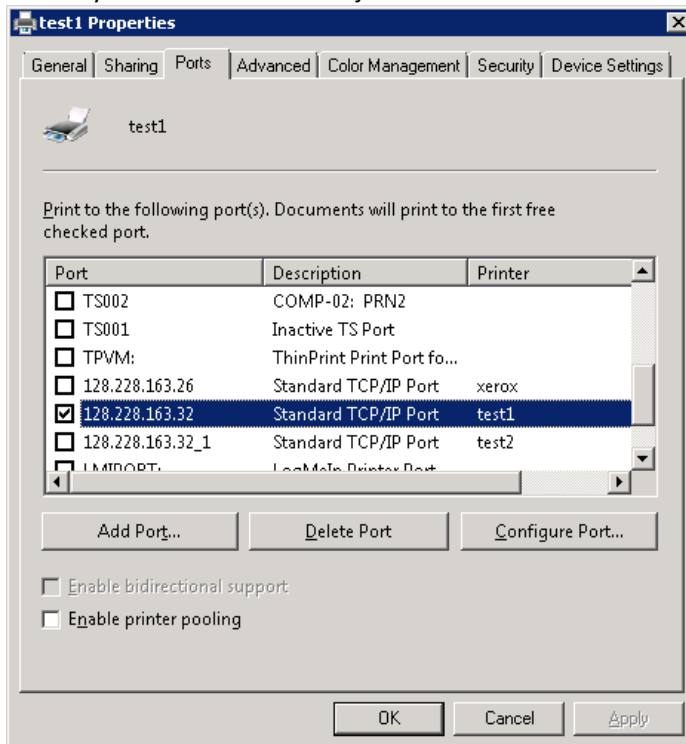
Network Ports / Protocols:

The following ports are required to be open in your firewalls from your local workstations to CUNYfirst hosting facility. 443/Secure Web, 22/SSH/SFTP, and 3389/Terminal Services (development only). All IP's to the hosting facility will be NATed to CUNY routable IP's. No network changes should be required on the Campus side to access the systems except firewall changes.

Printers:

Standard locally attached, network attached or wireless printing that conform to 180-character-wide HP Line Printing fonts is supporting in PeopleSoft. Reports are generated in standard Excel 2000 or PDF formats. Your printer must be configured with sufficient memory (typically 1.5 MB) to produce graphics images for page printouts. If end user workstations can support this configuration then user will have no issues printing from CUNYfirst. If direct printing for XML Publisher reports is required, your printer must have at least 32MB memory. Either PostScript 6 or PCL5 or PCL6 driver will be ok. When campus uses a print server, a NATed IP for the print server needs to be applied and later translated to a FQDN, which will be used by the user for direct printing

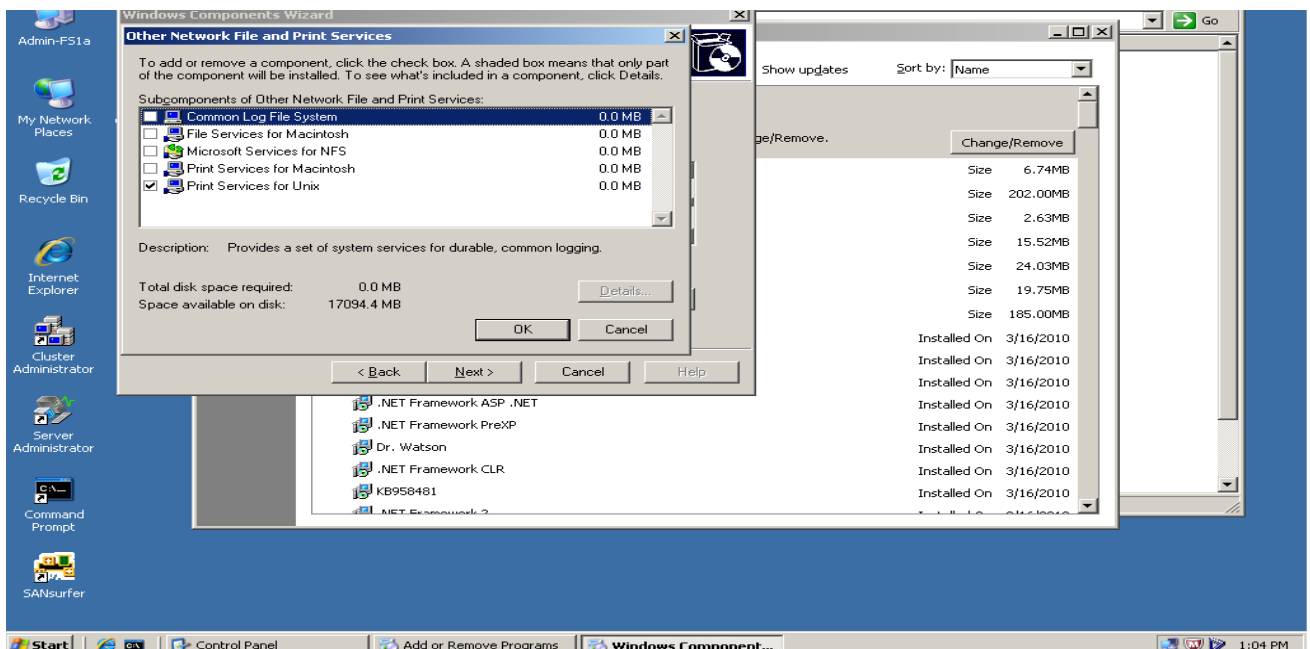
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Direct Printing Check List:

Print server must be setup for use with UNIX printing. It is imperative that Windows knows it is printing to UNIX as this is not a typical function. The

settings are in every Windows version but it does need to be enabled.



Above is a screen shot of the option chosen to enable UNIX printing through your Windows Print Server. All Campuses are required to setup their print servers according to the specifications provided. If after their setups are completed and there are functional issues CIS will assist in trouble shooting those issues.

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TCP Port 515 will be used as the standard Communications port. This port must be opened and available to the print server for CUNYfirst. This is the recommended port for CUNYfirst direct printing and will not interfere with any existing communications occurring across this port.

All printers that need to print directly from CUNYfirst must be added to the print server. Their queue names and the print server IP addresses must be provided to CIS from the campus IT staff.

Transcripts and Bills:

The two XML documents that will need to be printed with direct printing are transcripts and bills. While there may be other XML documents printed on an ad hoc basis to local printers, these are the only XML documents we know of that will require a direct printing solution.

Printing requirements for transcripts have been defined with the following general guidelines:

- Users who have access to view transcripts should have the ability to print individual transcripts directly from the application to a printer at their college.
- Users who have access to view transcripts should have the ability to select a group of transcripts by some criteria (i.e. using pop select) and print them directly from the application to a printer at their college.
- Some users who do not have access to view transcripts should have the ability to print a batch of transcripts if tasked to do so. For example, an IT processor may be asked to print a batch of transcripts to a designated printer even though they do not have the security clearance to see the data.
- If printing directly from the application, users from a particular college should not be allowed to print transcripts to printers at a different college. Only printers from their college should be visible to them in the application.
- If a user submits a print job to the process scheduler, users from other colleges should not have the ability to see or modify that job in any way through the application.
- Students request transcripts via the third party system Credentials. Credentials send batches of transcript requests (150-300 requests per batch) to PeopleSoft via the Credentials Interface. Batches are partitioned by college, by type (official v. unofficial), and by level (undergraduate v. graduate).
- Users from one college should not have the ability to see transcript batch jobs sent from Credentials for another college. i.e., users from one college should not have the ability to view transcript batch jobs in the process scheduler sent from Credentials for another college.
- The system should have the ability to process transcript requests from credentials and send batches of transcripts to different printers based on transcript type and college, without any user intervention. For example, official transcripts for students at college "X" should print to a designated printer at college "X" which has been loaded with official transcript stock paper.
- It is possible that one student may request multiple transcripts via Credentials in the same batch. The system must be able to handle this request and print the correct number of copies of each transcript.

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- A single batch of transcripts will not likely exceed 500 pages.
- In addition to direct printing, users will also need to print transcripts on an ad hoc basis over their local network.

Printing requirements for student and corporate bills:

- Student bills are typically printed in batches via a scheduled job on the process scheduler. CUNY's preferred approach would be for users who have access to view student bills to have the ability to select a group of bills by some criteria (i.e. using pop select) and print them directly from the application to a printer at their college.
- Most students will want a copy of their bill, and therefore bills will need to be printed on an ad-hoc basis.
- In addition to student bills, colleges will need to be able to print one-off bills for other purposes such as corporate bills and county bills. Users can either print these documents to a pdf or directly from the application to a printer at their college. If possible, colleges would also like to be able to print corporate bills in batch, so that all 3rd party contracts can be printed at once.
- If printing directly from the application, users from a particular college should not be allowed to print to printers at a different college. Only printers from their college should be visible to them in the application.
- If a user submits a print job to the process scheduler, users from other colleges should not have the ability to see or modify that job in any way through the application.
- At a given college, there may be several different printers used for bill printing. The application should allow users to print to any of the printers available for this purpose at their college.

The campus is responsible for setting up the college print services. If you need technical assistance please contact your local Campus Help Desk and open a CRM case.

Print Stock Requirements:

There are no special print stock requirements for any go live in 2012. We will update this document with any special requirements as they are identified.

Access to CUNYfirst

The following url <https://home.cunyfirst.cuny.edu> can be used to test connectivity from each campus to CUNYfirst. As stated above only port 443 (https) is needed to be open from each workstation to the hosting environment.