Brief

What's new?

Capture and Route 1.5

In the new release of HP Capture and Route 1.5 are various updates including a brand new look and feel for the HPCR Web Client. Also included are other updates pertaining to staying current with associated systems and integrations, expanded functionality through new software extensions, increased supportability and configurability, further interoperability, and necessary device client updates.

HPCR supportability and configurability

Ability to "move" servers more easily
Currently during an upgrade, the HPCR Server upgrade and installation software will update all of the binary files first and then update the data configuration files. This includes updating the HPCR databases and HPCR files that reside in the file storage. The new HPCR upgrade and installation software will allow an administrator to decouple this process to better help with moving to different server hardware and perform cleaner installs, while maintaining the historical configuration. For example, if an administrator would like to transition to a new server to take advantage of better CPU and memory resources, then they would install HPCR on the new server and run a migration utility that moves the configuration to the new server.

Actionable midstream criteria for rules
The existing rules engine works in a very structured nature that allows the HPCR Server to use a series of rules that determine the ingestion and delivery of the documents. The newly redesigned rules engine allows for more decisions to be made based on particular information in the middle of that process. Now instead of reading a single barcode and having a single resulting outcome, reading a single barcode can have multiple resulting outcomes. This piece of functionality will save time and ease configurability, as now you can create sub sets of rules within a rule, based off a single set of barcodes.

For example, consider a solution requiring a barcode to be read and used in the processing of the document. Today HPCR can read barcodes from documents and then deliver the barcode value as metadata to a downstream application. With this update, not only could the barcode be used in that scenario, but the HPCR Server can make decisions based on that barcode value. For example, route all documents with a barcode value starting with "ABC" to one location, while all barcodes starting with a value of "123" would route to a different location.

Dialing rules
With a centralized fax server, users from one country must learn to dial phone numbers based on the dialing rules of where the fax server resides. HPCR will resolve this by allowing for dialing patterns to be assigned to user groups – allowing a person in London to enter a fax at the MFP in the same way they would dial locally, but the centralized fax server in New York would be able to transform the phone patterns correctly.

Security and reliability

Disaster recovery deployment
Companies of all shapes and sizes are implementing disaster recovery models for all applications, not just the most critical within their environment. In order to meet this customer requirement and needs, HPCR will have a well documented and supported disaster recovery solution.

HPCR server data encryption
As customers continue to enhance their security, they are requiring software applications to become more secure. HPCR will be able to be configured in way that allows for its user-submitted data files to be encrypted while stored on file storage (Data at Rest), as well as encrypt the transactional data stored in the HPCR database.

Security object mapping
The HPCR Server reads from the security information about the user that authenticates to the MFP. This information includes the users email address, account name, domain and display name.

Enhanced "diagnostics and monitoring"
HPCR is a robust system that integrates with many different systems and relies on the internal infrastructure to operate smoothly. When an issue does occur, the faster that issue can be triaged, diagnosed and resolved, the better it is for all parties.

Support LDAPS
As clients continue to increase security within their environments, we now provide LDAP with SSL. This is particularly important in financial institutions and in regulated environments. LDAP is used in the HPCR Server to authenticate and retrieve user information from within the environment.

Ease of use

Enhanced custom views/search capability
The HPCR Server Administrator application currently has the ability to create custom message views through search criteria. This is predominately tied to searching and retrieving based on fax parameters. The Administrative views will be enhanced to allow for the searching on additional metadata and search filters to expand this useful Administrative feature.

The HPCR Server will be extended to now include additional monitoring and diagnostic capabilities. The areas of enhancement are:

- Log file access and retrieval times
- Log database access and retrieval times
- Log response times from IIS for the HPCR Device Client
- Log composition and component processing times
- Log LDAP and other system integration access times

The solution will allow an administrator to configure cleanup periods of the logging data, as well as graph and view statistics in each of these areas from the Administrator application.

Additional centralization support
Most fax servers require local phone support to deal with dialing rules, time zones, and local cover page creation. As a competitive differentiator the HPCR Server will continue to enhance its centralization offering by allowing localized dialing rules, time zone support and more granular cover page assignment by extending the configuration options in the Administrators "Group" view.

Cover pages
Through the Group Configuration in the HPCR Server Administrator, users will be able to be assigned specific localized cover pages that can be auto-generated when a user sends a fax.

Time zone support
A primary reason why companies choose not to centralize their fax infrastructure is because of time zones being incorrectly stamped onto the top of their fax document, or cover pages being created with the time zone of the fax serve versus the time zone of the user. HPCR aims to solve this restriction by using the time zone of the user for cover pages and fax headers if so configured.

Folders search and filter
When navigating the Virtual Folders integration from the MFP, depending on the folders being viewed, a large folder tree may be returned, making it more difficult to identify the specific folder a user is looking for. This enhancement will allow the user to enter a search to better filter what folder they are trying to select for document delivery.

Functional enhancements

Extend scanning options
The HPCR Software allows the Administrator to create a set of default scan options for each capture workflow button pushed to the MFP. This feature will be extended to include being able to set default scan options (when supported by the MFP) for the following scan options:

- Color Mode
- Duplex
- Job Build
- Orientation
- Resolution
- Background Cleanup
- Blank Image Removal
- Color Dropout Mode
- Contrast
- Darkness
- Heavy Originals
- Optimize
- Media Size
- Quality Mode

Font size optimization
AccuRoute will now optimize itself to the current font size setting on each individual MFP to ensure readability throughout the fleet.

Additional barcode support
The Data Extractor Component will be updated to support several U.S. Postal Service barcode types.

Augmented property validation component
The HPCR Server continues to have data validation and retrieval when metadata is entered using an HPCR deployed button to the MFP, HPCR Web and through the Data Extractor Component when validating barcode data. This enhancement will remove the data validation out of each of these specific clients and components and move it into a specific component that can be called in the HPCR Server rule sets. This continues to build on the flexibility of the enhanced rules engine, by introducing the ability to offer "re-validation" of data after an event has occurred.

OneDrive for Business
OneDrive Business will now be supported on top of the current integration with OneDrive Consumer.

Validation extended to include "lookup"
Currently the HPCR Server allows for data validation from metadata prompts presented to the user. For example, if a user is prompted and enters an Account Number, they will be presented a screen displaying the entered Account Number X belongs to Person Y. This same functionality is being extended to include lookup capabilities, if, for example, Account Number X* belongs to multiple matches. The user would then be able to select the appropriate match.

PDF bookmarking
HPCR is expected to support two workflows in creating PDF documents with PDF Bookmarking. PDF Bookmarking allows for sections of a PDF document to be tagged, in order to quickly jump to that area of the document, similar to a table of contents that is seen using the PDF Bookmark menu in your favorite PDF reader.

Workflow option 1
A user can send a set of documents to the HPCR Server electronically and then have those documents merged into a single PDF document. The attachment names will be used as the PDF Bookmark tags.

Workflow option 2
Users can create barcoded label sheets with a PDF bookmark metadata tag in the HPCR Web. The user would then collate the lable sheets into the document that needs to be scanned, at the sections where they wish to create the PDF bookmark. The document will then be scanned and delivered to HPCR for processing. HPCR will identify the label sheets, remove them, and then create the PDF with the appropriate PDF Bookmarks.

HPCR Web

The HPCR Web is being updated to allow for a more modern look and feel, as well as provide better support for newer web browsers and technologies. The new user interface will provide for a more "Apps" based feel, where as each specialized area of the product includes a more specific look and feel to the functionality being provided. In addition, the system will bring over some of the mobile client functionality that allows a user to personalize their home screen by pinning favorite document capture workflows.

System Updates

Server operating system support
HPCR will support Windows 2008 64-bit R2 and 2012 64-bit. Further, Windows 2016, Microsoft SQL 2016, and Microsoft Active Directory 2016 will be tested and qualified shortly after the official release.

Client operating system support
Microsoft Windows 10 will be qualified and supported with the HPCR Web. The HPCR Web will continue to support Microsoft Windows 7 and 8.1.

Internal component updates
Evaluate and update necessary internal 3rd party software/components as required.

Update prerequisites client
HPCR 1.4 introduced a new "Prerequisite Installation Client (PIC)" that helps update and configure the prerequisites of an HPCR installation. This tool has been updated to reflect any new prerequisite requirements identified as part of this 1.5 release.

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