eRez Imaging Server 4.1

HTTP Command Reference

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Introduction

This document contains a complete, highly technical description of all the commands that can be sent to the eRez Imaging Server 4 using standard HTTP get and post methods. The SOAP interface add-on product is not covered by this document.

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Overview

All the eRez functions available to a Web User are invoked by issuing the commands listed alphabetically below as part of a standard HTTP “get” or “post” request as well as a few special requests.

The command is selected by means of the “cmd” parameter as in this example:

http://www.yourserver.com:8080/erez4/erez?cmd=stats

This will invoke the “stats” command and return a HTML page with information about the server, provided that the user has been identified as a member of the “administrator” group. The additional parameters that can be passed to the individual functions are explained in this document. Note that parameters are case sensitive.

Command	Description
activate	Insert and load a new license key.
cancel	Cancel a download job in progress.
confirmdel	Make a HTML page to confirm deletion of a file or folder.
confirmdelselection	Confiorm deletion of the files in the current selection.
del	Delete a file or folder.
delselection	Delete the files in the current selection.
download-prepare	Present download options for an image.
download-submit	Submit an image to the download manager.
download-list	List and manage images in the download manager.
download	Multipurpose download function (for backwards compatibility only).
download-selection-prepare	Presents download options for the selected files.
download-selection-submit	Submits a job to the download manager for each of the files in the current selection.
edit-selection-prepare	Prepare a page for entry of metadata and angle for images in the current selection.
expand	Expand a Template and optionally log out a user.
fedit	Make a HTML page for editing a folder.
finfo	Make a HTML page with folder information.
fupdate	Update folder information and/or create a new sub-folder.
get	Get/Download the source image directly.
image	Request a real-time image.
info	Make a HTML page with image information.
infoedit	Make a HTML page for editing image information.
list	List files and folders as HTML.
livetree	Fetch folder information for the AJAX tree
login	Login a user.
mailcreate	Make a HTML page for e-mailing files and folders.
mail-download-basket	Send the contents of the download manager as a reference by email.
mailquerycreate	Create a HTML page with a form for sending selections as emails.
mailquerysend	Send an email to the recipient(s) and return a HTML page .
mailsend	Send image or folder reference as e-mail.

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Command	Description
move	Moves a file or folder to a new location.
moveto-tree	Displays a list of folders whereto a file or folder can be moved.
search	Lists files that match search criteria.
showselection	List files in the current selection
stats	Make a HTML page with Server Information.
tree	Make a HTML Page with a Hierarchical Folder Structure.
update	Update Image Information
update-selection	
upload	Make a HTML Page for Upload.
upload-status	Get information about an upload operation in progress.
view	Make a HTML Page with a Image Viewer.
xmllist	Generate XML file and folder list for use with Synkron VIA

Four special cases exist when functions are invoked without a specifying “cmd” parameter:

1) Cached real-time images are read via a “get” from the “magic” path “cache”.

2) Packaged files ready for download are read via a “get” from the magic path “download.zip” or “download”.

3) Data is uploaded by means of a “post” to the “magic” path “upload”.

4) A SOAP method is invoked by means of “post” to the “magic” path “rpc”. The SOAP interface is an add-on product for eRez and described separately.

The Velocity Template Engine

Dynamic HTML pages and e-mail messages are created by means of Apache Velocity. Velocity is a Java-based template engine. It permits web page designers to reference variables and methods defined in Java code. Velocity separates Java code from the web pages, making the web site more maintainable over the long run and providing a viable alternative to Java Server Pages (JSPs) or PHP.

Velocity can be used to generate web pages, SQL, PostScript and other output from templates. It can be used either as a standalone utility for generating source code and reports, or as in this case an integrated component of other systems.

The complete documentation for Velocity is included in the eRez package. You should at least familiarize yourself with the Velocity User's Guide.

You will almost certainly find that Velocity is fairly easy to understand and use compared to ASP or JSP and the eRez Imaging Server does not use many advanced features of Velocity.

The files containing the Velocity templates are placed in the WEB-INF/templates folder inside the erez2 folder and all references to template files are relative to this folder.

You can inspect, modify or create your own new templates using a simple text editor.

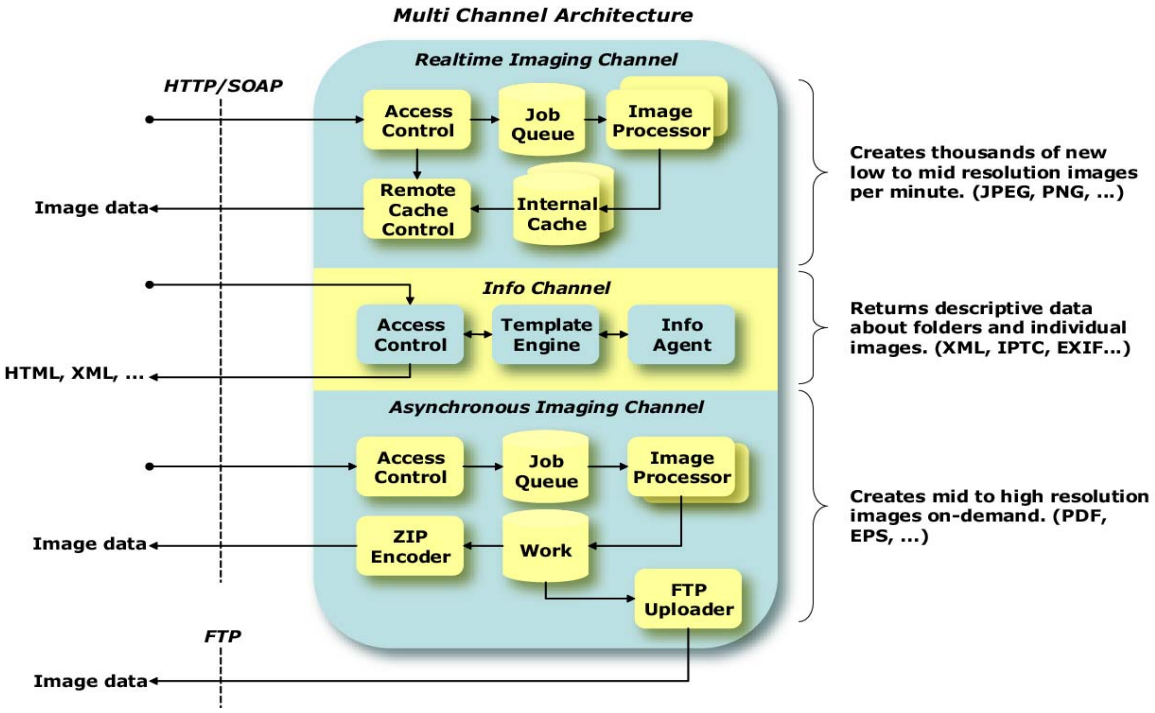
TIP: You can edit and update the template files while the server is running. Any changes that you make will take effect immediately. This is very convenient when experiment with new ideas because you get immediate feedback from the server.

TIP: In addition to the standard parameters made available to the templates by eRez, you can use any of the parameters passed to the command including your own special parameters.

Example: if calling the stats function as **`erez?cmd=stats&myname=Margrethe`** , then $myname in the template will be replaced by the string "Margrethe".

The eRez Imaging Server Architecture

As illustrated below the eRez Server works on 3 different channels each optimized for a particular purpose.



1) The real-time imaging channel is optimized for high speed image delivery of low to medium resolution images. The commands associated with this channel are only the “image” command and requests for cached images from the “magic” path “cache”.
.

2) The Info channel is used for generating HTML pages and handling request for information, upload, update and deletion of folders and images and similar functions. Most of the commands described in this document will work on the info channel. The built in Browser application is implemented on top of these commands using only standard HTML with some JavaScript code.

3) The asynchronous imaging channel is used for download of image data of any size including high-resolution color separations. The commands associated with the download channel are the “download” and “cancel” commands and request for data from the “magic” path “download”.

Note that the “FTP Uploader” in the diagram above can only be used via the optional SOAP interface.

TIP: If you only need to learn how to request dynamic images from eRez you will only have to learn about the “image” command.

Permissions

Most of the commands that can be performed by the eRez require the user to have certain permissions.

The permissions in use are:

- View – for the current shared folder.
- List – for the current shared folder.
- Download – for the current shared folder.
- Upload – for the current shared folder.
- Edit – for the current shared folder.
- Delete – for the current shared folder.
- Administrator – membership of the “administrator” group.

Log file entries

The eRez Imaging server logs individual requests and their outcome to the Java Application Server's log file. For instance Apache Tomcat stores the log files as text files in a directory called "logs".

Below is two example entries created by the eRez servlet:

```
+,IMAGE,310,127.0.0.1,*,*,"Format Samples/TIFF/tukan.tif",OK,300
+,DOWNLOAD-POLL,0,127.0.0.1,*,*,"66cebd027b563660",OK
```

The log entries consist of several "fields" separated by commas. The first 8 fields are always present:

1) Either a "+" or "-" indicating whether or not access to the functions was granted or denied.

2) The name of the function requested.

3) The number of milliseconds spent on servicing the request.

4) The IP number of the client from which the request was received.

5) The users login, or "*" if the user hasn't logged on-

6) The role required to access the function.

7) The target object, such as the name of a file or directory or a job id.

8) "OK" if the function completed with no exceptions, or the name of a Java Exception encountered while attempting to carry out the function.

In addition each of the commands may add one or more extra fields as described in the reference for each command. Here is another log entry for an attempt to download a file without the proper permission:

```
-,DOWNLOAD-CREATE,110,127.0.0.1,*,?,"Format Samples/img.tif",OK
```

The meanings of the fields in this example are:

1) The "-" indicates that the request was denied.

2) "DOWNLOAD-CREATE" indicates that the request was to create a new Download jopb.

3) "110" was the number of milliseconds spent servicing the request (roughly 1/10 of a second).

4) "127.0.0.1" is the IP number of the client.

5) The "*" indicates that the user wasn't logged on-

6) The "?" is the role required to perform the function (any known user).

7) "Format Samples/img.tif" is the name of the file in question.

8) "OK" means that the request was handled (or in this case: rejected) without encountering Java Exceptions.

User Parameter

In many cases a user element is accessible from the velocity templates when a user is logged into the server.
The following attributes are available for a user: Login, EMailAddress, FirstName and LastName.
In addition the methods inGroup() and getProperty() can be used to check for a group/role membership and read custom properties either defined in the users.xml file like in the example below or as returned by a custom user manager plug-in using LDAP, Lotus Notes or similar.

```
  <user login="user" password="password" email="user@yawah.com" firstname="eRez"
lastname="User">
    <property key="type" value="very nice" />
    <property key="gender" value="female" />
    <member group="users" />
  </user>
```

In the above example the two custom properties “type” and “gender” is defined.

Session Parameter (since 4.1)

In most cases when returning HTML or other text data, a “session” parameter is accessible from the velocity template. The session can be used to store and retrieve information such as the user’s language and other preferences.

The following methods can be called on the session object:

getAttribute(key) – returns an attribute from the session.
setAttribute(key, value) – set/add the value for an attribute on the session.
removeAttribute(key) – remove an attribute from the session.

detectLanguage() – detect a language to use based on the HTTP header sent by the browser.

detectLanguage will return a “Language” object with the following attributes:

code - ISO 639 language code
displayname - A name for displaying the language to the user.
id - identifier used by eRez.
country - Optional ISO 3166 2-letter code
default – True if this language is the default eRez language (English).

Overriding HTTP Headers (since 4.1)

Most of the HTTP headers returned by eRez is controlled by the definitions in the XML file Rez4\src\WEB-INF\private\headers.xml.

For all request you can use the parameter “headers” to request that eRez use one of the sets of headers defined in headers.xml rather than the default. For example you can add “&headers=proxy” to have eRez return the headers defined in the “proxy” set.

By nature this is a very advanced feature designed to be used with caching reverse proxy servers and Content Delivery Networks.

Activate Command

Selector:	erez?cmd=activate	**http method:**	get or post
Required Permission:	Administrator		
Description:	Insert the license code in the “license.xml” configuration file, load the new license and then redirects the Web browser to the status page (erez?cmd=stats). The function does not check if the license is valid or correctly formatted. A blank license will clear an existing license from the server.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Always set this to “1” to have the server request login and password using HTTP basic authorization.	none
License	The license key including the initial <license> and final </license> tags.	obligatory
Output:	HTTP redirect to: erez?cmd=stats	
HTTP Errors:	UNAUTHORIZED (401).	
Log entry	ADDLICENSE. (no extra parameters)	

Cancel Command (deprecated)

Selector:	erez?cmd=cancel	**http method:**	get or post
Required Permission:	None (a valid job id is required).		
Description:	Aborts a download job in process or in the download queue and redirects the browser back to the download status page. This command is part of the original eRez 2.0 download system which has now been replaced by the new download-prepare, download-submit and download-list commands. Kept for backwards compatibility.		

Input Parameter:	**Description:**	**Default Value:**
angle	Image Rotation in degrees (± 0-360)	0
bottom	Image Crop rectangle bottom value (0.0–1.0)	1
jobid	Unique job identifier as returned by the download command.	obligatory
left	Image Crop rectangle left value (0.0–1.0)	0
right	Image Crop rectangle right value (0.0–1.0)	1
top	Image Crop rectangle top value (0.0–1.0)	0
vtl	HTML template for use as parameter in the HTTP redirect	prez/getjob.html
Output:	HTTP redirect to: "erez?cmd=download&jobid=***jobid***&vtl=***vtl*** - plus ***top***,***left***,***bottom***,***right*** and ***angle*** if they were passed as input.	
HTTP Errors:	GONE (410).	
Log entry	DOWNLOAD-CANCEL. (no extra parameters)	

Confirmdel Command

Selector:	erez?cmd=confirmdel	**http method:**	get or post
Required Permission:	Delete permission for the share.		
Description:	Builds a HTML page prompting the user to confirm deletion of a file or folder.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
src	The image or folder to delete	obligatory
vtl	HTML template for output.	confirmdelete.html (?)
Output:	HTML page.	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
filename	The name of the file or folder without path information.
isfolder	“1” if the target is a folder. Otherwise undefined.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	CONFIRM-DELETE. (no extra parameters)

Confirmdelselection Command (since version 4.0)

Selector:	erez?cmd= confirmdelselection	**http method:**	get or post
Required Permission:	None.		
Description:	Builds a HTML page prompting the user to confirm deletion the selected files.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
vtl	HTML template for output.	obligatory	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
deletable	The number of selected files which can be deleted.
total	The total number of selected files.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	CONFIRM-SELECTION-DELETE. (no extra parameters)

Del Command

Selector:	erez?cmd=del	**http method:**	get or post
Required Permission:	Delete permission for the share.		
Description:	Deletes a file or folder and		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	The image or folder to delete	obligatory	
vtl	HTML template for output.	deleted.html (?)	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
deleted	“1” if the file or folder was successfully deleted. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
filename	The name of the file or folder without path information.
parent	The parent folder of the file or folder that was deleted. Only defined if the file or folder was successfully deleted. URL encoded since 4.1.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	DELETE. (no extra parameters)

Delselection Command (since version 4.0)

Selector:	erez?cmd=delselection	**http method:**	get or post
Required Permission:	None		
Description:	Deletes the selected files.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
vtl	HTML template for output.	obligatory	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		
Template Parameter:	**Description:**		
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.		
deleted	The number of files which was successfully deleted.		
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.		
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)		
session	A session as described under Session Parameter. Since 4.1.		
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.		
Log entry	DELETE-SELECTION. (no extra parameters)		

Download-prepare Command (since 3.0)

Selector:	erez?cmd= download-prepare	**http method:**	get or post
Required Permission:	Download permission for the share.		
Description:	Presents download options for an image		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	The source image	obligatory	
vtl	HTML template for output.	download.html	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
formats	List of downloadable formats. Each template has a “Name” and a “Description” attribute.
profiles	List of available ICC profile. Each profile has two name properties: “URLName” and “HTMLName” for use as a URL parameter and as readable HTML respectively.
In addition all the parameters from the Info command are included.	
Log entry	DOWNLOAD-PREPARE. (no extra parameters)

Download-submit Command (since 3.0)

Selector:	erez?cmd=download-submit	**http method:**	get or post
Required Permission:	Download permission for the share.		
Description:	Submits a job to the download manager or returns a warning page if scaling exceeds the permitted maximum. The “download manager” is identified by a collection id which is stored in the session data (cookie). If no collection id is found a new will be created.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
angle	Image Rotation in degrees (± 0-360)	Template value
bottom	Image Crop rectangle bottom value (0.0–1.0)	Template value
dpi	Image resolution.	Template value.
filename	Suggested Output Filename (since 4.0)	Source filename
format	Image file format. Legal values are: a) “eps” b) “jpeg” c) “pdf” d) “tiff” More formats can be implemented by means of PlugIns.	Template value.
height	Target image height in pixels. Used with respect to the aspect ratio.	Template value.
icc	Image ICC Profile description.	Template value.
left	Image Crop rectangle left value (0.0–1.0)	Template value
path	The name of a path to use instead of the default clipping path (if any). The value “-“ means no clipping path.	none
right	Image Crop rectangle right value (0.0–1.0)	Template value
src	The source image	obligatory
tmp	The download template to use for conversion. If no template is specified the source file will be added to the download manager.	none
top	Image Crop rectangle top value (0.0–1.0)	Template value
upscale	Specifies how to do interpolation in case the source image does not have sufficient resolution to honor the output. If undefined the value from the template	Template value

	will be used. Legal values are: a) max – Choose the maximum size allowed by the template. b) Ignore – Ignore the warning and scale as needed.	
vtl	HTML template for redirection.	downloadmanager.html
warnvtl	HTML template warning when the image is scaled beyond the allowed maximum.	downloadwarning.html
width	Target image width in pixels. Used with respect to the aspect ratio.	Template value.
Output:	Redirection to: erez?cmd=download-list&collection=collectionid&vtl=vtl	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	
Template Parameter:	**Description:**	
Note these parameters are only used when building the warning page.		
src	The eRez path to the image.	
upscale	The scaling in percent.	
Log entry	DOWNLOAD-SUBMIT, name of template, optional IGNORE-SCALING or USE-MAX-SCALING	

Downloading Data (since 3.0)

Selector:	download.zip	**http method:**	get or post
Required Permission:	None. The collection ID must be known.		
Description:	Send an individual file or all files from a download manager as a ZIP file. The ZIP file is created on-the-fly while the data is sent.		
Input Parameter:	**Description:**		**Default Value:**
src	A collection ID or a collection ID plus “/filename” to retrieve an individual file from the collection.		none
Output:	A ZIP file with a name on the form: **Download_yyyy_MM_dd_HH_mm_ss.zip,** where yyyy_MM_dd-HH_mm represents the current date and time on the form year, month, day, hour, minute and seconds.		
HTTP Errors:	NOT_FOUND(404)		
Log entry	DLMGR-SEND, zip filename, total number of bytes sent (uncompressed).		

Download-list Command (since 3.0)

Selector:	erez?cmd=download-list	**http method:**	get or post
Required Permission:	None (the collection id must be known or stored in the session data).		
Description:	Presents the contents of a download manager collection and optionally removes files and jobs from the collection.		

Input Parameter:	**Description:**	**Default Value:**
charset	Character encoding for the HTML page	As defined in the system configuration
clear	The position of a job/file to remove from the collection. Starting with 0 for the first element.	none
clearall	If this is set to “1” all jobs and files are removed from the collection,	0
collection	The ID of the download manager collection	Value from session cookie. If none is available a new collection will be created.
src	The image or folder to delete	obligatory
vtl	HTML template for output.	downloadmanager.html
Output:	HTML page.	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
collection	The download manager collection ID.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.

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Download-list Command, continued

downloaditems	An array of items with the following attributes: **completed** : true if the job is completed and ready to download. **percentCompleted** : the percentage of the job completed. **status** : the job status code as listed below. **message** : error message from the image processor. **top** : top cropping- **left** : left cropping. **bottom** : bottom cropping. **right** :right cropping. **angle** : rotation in degrees. **encodedSrc** : URL encoded path to the source image. **fileName** : URL encoded name of the destination file. **size** : Human readable size of the destination file. **rawSize** : the size of the destination file in bytes. **position** : the position of this element in the array (first is zero). Possible values for the job status code are: 1) Waiting in Queue. 2) Image is being processed. 3) Image is being packed for transmission. 4) Package complete and ready for download. 5) Job failed. 6) Job cancelled by the user. 7) Insufficient source image data. 8) In transit for FTP upload
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/")
filecount	The number of files in the collection.
percentcomplete	The overall percentage completed of all jobs in the collection.
totalsize	Human readable size of all files in the collection.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	DLMGR-LIST, Collection ID

Download-selection-prepare Command (since 4.0)

Selector:	erez?cmd=download-selection-prepare	**http method:**	get or post
Required Permission:	none		
Description:	Presents download options for the selected files		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
vtl	HTML template for output.	download-selection.html

Output:	HTML page.
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
formats	List of downloadable formats. Each template has a “Name” and a “Description” attribute.
profiles	List of available ICC profile. Each profile has two name properties: “URLName” and “HTMLName” for use as a URL parameter and as readable HTML respectively.
total	The total number of files in the selection.
downloadable	The number of files in the selection for which the user has download permission.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	DOWNLOAD-SELECTION-PREPARE. (no extra parameters)

Download-selection-submit Command (since 4.0)

Selector:	erez?cmd=download-selection-submit	**http method:**	get or post
Required Permission:	none		
Description:	Submits a job to the download manager for each of the files in the current selection which the user has download permission for. The "download manager" is identified by a collection id which is stored in the session data (cookie). If no collection id is found a new will be created.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to "1" to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
angle	Image Rotation in degrees (± 0-360)	Template value
bottom	Image Crop rectangle bottom value (0.0–1.0)	Template value
dpi	Image resolution.	Template value.
format	Image file format. Legal values are: e) "eps" f) "jpeg" g) "pdf" h) "tiff"	Template value.
height	Target image height in pixels. Used with respect to the aspect ratio.	Template value.
icc	Image ICC Profile description.	Template value.
left	Image Crop rectangle left value (0.0–1.0)	Template value
right	Image Crop rectangle right value (0.0–1.0)	Template value
tmp	The download template to use for conversion. If no template is specified the source file will be added to the download manager.	none
top	Image Crop rectangle top value (0.0–1.0)	Template value
vtl	HTML template for redirection.	downloadmanager.html
width	Target image width in pixels. Used with respect to the aspect ratio.	Template value.
prefix	Optional filename prefix (since 4.1)	none
postfix	Optional filename postfix (since 4.1)	none
Output:	Redirection to: erez?cmd=download-list&collection=collectionid&vtl=vtl	
HTTP Errors:	BAD REQUEST (400)	
Log entry	DOWNLOAD-SELECTION-SUBMIT, download manager ID, name of template.	

Download Command (deprecated)

This it the original Download command from eRez version 2.0. It has now been replaced by the new download-prepare, download-submit and download-list commands but kept for backwards compatibility. It is among the most complex commands that can be issued to the eRez server and has therefore been changed into several independent commands in version 3.0.

Selector:	erez?cmd=download	**http method:**	get or post
Required Permission:	Download permission for the share. No permission is needed to check the status of a job in progress because the unique and hard-to-guess job-id is required.		
Description:	The download command can perform 3 different functions depending on the parameters passed: 1) Create a HTML page with a list of downloadable formats and other controls. 2) Submit a job to the queue. 3) Poll for status of an existing job.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
angle	Image Rotation in degrees (± 0-360)	Template value
bottom	Image Crop rectangle bottom value (0.0–1.0)	Template value
charset	Character encoding for the HTML page	As defined in the system configuration
dpi	Image resolution.	Template value.
filename	Suggested Output Filename (since 4.0)	Source filename
format	Image file format. Legal values are: i) “eps” j) “jpeg” k) “pdf” l) “tiff”	Template value.
height	Target image height in pixels. Used with respect to the aspect ratio.	Template value.
icc	Image ICC Profile description.	Template value.
jobid	Unique job identifier. Whenever a jobid is specified the function will return status information for an existing job. When no jobid is specified the value of the “tmp” parameter decides which function should be invoked.	none
left	Image Crop rectangle left value (0.0–1.0)	Template value
right	Image Crop rectangle right value (0.0–1.0)	Template value
src	The master image to download.	obligatory

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Download Command (deprecated), continued

tmp	The download template to use for conversion or either: a) "." - to build a HTML page with a list of available download templates. or b) "" (blank) – to download the original master image.	none
path	The name of a path to use instead of the default clipping path (if any). The value "-" means no clipping path.	none
top	Image Crop rectangle top value (0.0–1.0)	Template value
upscale	Specifies how to do interpolation in case the source image does not have sufficient resolution to honor the output. If undefined the value from the template will be used. Legal values are: c) max – Choose the maximum size allowed by the template. d) Ignore – Ignore the warning and scale as needed.	Template value
vtl	HTML template for output or redirection.	prez/download.html (when making a list of formats available) prez/getjob.html (when submitting a new job or getting information about an existing job).
width	Target image width in pixels. Used with respect to the aspect ratio.	Template value.
zip	Controls if the file should be delivered zip compressed (1) or not (0). Since 2.5.2.	0
Output:	**When making a HTML Page with Download options or polling for job status:** HTML Page. **When creating a new job**, a HTTP redirect to: erez?cmd=download&jobid=***jobid***&vtl=***template***&top=***top***&left=***left*** &bottom=***bottom***&right=***right***&angle=***angle***[&path=***path***]	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	

Continued on next page

Download Command (deprecated), continued

Template Parameter:	Description:
angle	Image Rotation in degrees (± 0-360)
AUTHORIZED	"1" if the user has the necessary permission. Otherwise undefined.
bottom	Image Crop rectangle bottom value (0.0–1.0)
DISABLED	"1" if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/")
filename	The name of the file or folder without path information.
formats	List of downloadable formats. Each template has a "Name" and a "Description" attribute.
job_file	Path to file ready for download. Set when polling for job status.
job_id	The unique job identifier. Set when polling for job status.
job_message	Optional error messages from the image processor. Set when polling for job status.
job_percentcomplete	Percentage completed. Set when polling for job status.
job_position	The jobs current position in the job queue. Set when polling for job status.
job_processtime	Number of seconds used to prepare the image. Set when polling for job status.
job_status	Status of the job. Possible values are: 1) Waiting in Queue. 2) Image is being processed. 3) Image is being packed for transmission. 4) Package complete and ready for download. 5) Job failed. 6) Job cancelled by the user. 7) Insufficient source image data. Must prompt user for action. 8) In transit for FTP upload. Set when polling for job status.
left	Image Crop rectangle left value (0.0–1.0)
photoshop_clippath	The name of the current clipping path or undefined.
photoshop_clippath_url	The URL encoded name of the current clipping path or undefined. (Since version 2.5.1).

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Download Command (deprecated), continued

photoshop_paths	An optional array of clippath information records. Each record has the following fields: 1) name – the name of the path. 2) encodedname – URL encoded version of the name (since version 2.5.1). 3) top – the top y coordinate of the bounding box (0.0 - 1.0). 4) left – the left x coordinate of the bounding box (0.0 - 1.0). 5) bottom – the bottom y coordinate of the bounding box (0.0 - 1.0). 6) right – the right x coordinate of the bounding box (0.0 - 1.0).
profiles	List of available ICC profile. Each profile has two name properties: “URLName” and “HTMLName” for use as a URL parameter and as readable HTML respectively.
right	Image Crop rectangle right value (0.0–1.0)
src	URL encoded eRez path to the source image.
templates	List of real-time templates. Each template has a “Name” and a “Description” attribute. Used for making the “Make URL” page.
top	Image Crop rectangle top value (0.0–1.0)
upscale	Required scaling of source image. Set when polling for job status.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entries	1) DOWNLOAD-CREATE, Possible extra fields: a) The name of the selected template. b) REDIRECT indicating that the job was created and the client is redirected to the “DOWNLOAD-POLL” page. c) SCALE-WARNING indicating that a arning was issued to the user about scaling beyond the maximum. d) IGNORE-SCALING indicating that scaling beyond the maximum was explicitly allowed by the user. e) USE-MAX-SCALING indicating that the size of the image was limited to the maximum by the user. f) MAKE-CHOICES indicating that a list of available templates was retured. 2) DOWNLOAD-POLL (no extra parameters) 3) DOWNLOAD-DATA. , Possible extra fields: a) ABORTED indicating that the transfer was aborted- b) The number of bytes transferred,

Expand Command

Selector:	erez?cmd=expand	**http method:**	get or post
Required Permission:	none		
Description:	Simply expand a template with Velocity and optionally log out the current user by clearing the session's user record.		
Input Parameter:	**Description:**	**Default Value:**	
logout	Set to "1" to log out current user.	none	
vtl	HTML template for output.	none	
Output:	HTML page.		
HTTP Errors:	none		

Template Parameter:	**Description:**
AUTHORIZED	"1" if the user has the necessary permission. Otherwise undefined.
DISABLED	"1" if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/")
languages	A list of language objects describing installed languages as described under Session Parameter. Since 4.1.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	EXPAND. (no extra parameters)

Edit Selection Prepare Command (since 4.0)

Selector:	erez?cmd=edit-selection-prepare	**http method:**	get or post
Required Permission:	none		
Description:	Prepare a page for entry of metadata and angle for images in the current selection.		
Input Parameter:	**Description:**	**Default Value:**	
vtl	HTML template for output.	none	
Output:	HTML page.		
HTTP Errors:	none		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
total	Total number of files in the selection
permitted	The number of files in the selection which the user has permission to update.
editable	The number of files in the selection which the user has permission to update and in a format which supports updating IPTC metadata.
rotatable	The number of files in the selection which the user has permission to update and in a format which supports rotation.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	EDIT-SELECTION-PREPARE. (no extra parameters)

FEdit Command

Selector:	erez?cmd=fedit	**http method:**	get or post
Required Permission:	Edit permission for the share.		
Description:	Create a HTML page for editing folder properties and optionally create a new subfolder. The server will look inside the folder for a text file named “erezinfo.txt” and display it’s contents.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
src	URL encoded eRez path to the folder.	obligatory
vtl	HTML template for output.	obligatory
Output:	HTML page.	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
description	HTML escaped contents of the “erezinfo.txt” file if it exists. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
foldername	Unless the folder is a share at the root level, foldername will contain the name of the folder that can be used for editing. Otherwise undefined.
pathname	The full path of the folder.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	FEDIT. (no extra parameters)

FInfo Command

Selector:	erez?cmd=finfo	**http method:**	get or post
Required Permission:	List permission for the share.		
Description:	Create a HTML page with folder information. The server will look inside the folder for a text file named “erezinfo.txt” or “erezinfo.html” and display it’s contents. If none of the files can be found it will look in the parent folder and so forth until it reaches the root of the file system. If an “erezinfo.txt” file is found it will be passed to the template as “description”. If no “erezinfo.txt” is found but a “erezinfo.html” is found, the later will be returned as is and the template is not used.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	URL encoded eRez path to the folder or a file inside it.	obligatory	
vtl	HTML template for output.	obligatory	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
description	HTML escaped contents of the “erezinfo.txt” file if it exists. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
pathname	The full path of the folder or file.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	FINFO. Possible extra parameter: ABORTED indicating thatteh transfer of an HTML file was aborted by the client.

FUpdate Command

Selector:	erez?cmd=fupdate	**http method:**	get or post
Required Permission:	Edit permission for the share.		
Description:	Update/add/remove the folder description, optionally rename the folder and/or create a new subfolder.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
src	URL encoded eRez path to the folder.	obligatory
foldername	New name for the folder. If the value is different from the current name the folder will be renamed.	none
description	New description for the folder. Will be written to erezinfo.txt. If this parameter has no value or is missing th existing file if any will be deleted.	none
makefolder	Setting this to any value except for a empty string will cause a new folder to be created.	none
newfolder	The name of a new folder to be created.	none
vtl	HTML template for output.	obligatory
Output:	HTML page.	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
description	HTML escaped contents of the “erezinfo.txt” file if it exists. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
foldername	Unless the folder is a share at the root level, foldername will contain the name of the folder that can be used for editing. Otherwise undefined.
pathname	The full path of the folder.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	FUPDATE. (no extra parameters)

Get Command

(From version 2.5)

Selector:	erez?cmd=get	**http method:**	get or post
Required Permission:	Download permission for the share.		
Description:	Download the original file without conversion.		
Input Parameter:	**Description:**		**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
charset	Character encoding for the HTML page		As defined in the system configuration
src	URL encoded eRez path to the file.		obligatory
vtl	HTML template for output in case the user is not authorized to download.		no-access.html
Output:	Binary data – or HTML in case the user wasn’t authorized.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
src	URL encoded eRez path to the source image.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
session	A session as described under Session Parameter. Since 4.1.
Log entry	DOWNLOAD-DIRECT. Possible extra fields: c) ABORTED indicating that the transfer was aborted. d) The number of bytes transferred

Image Command

Selector:	erez?cmd=image (or NO cmd parameter).	**http method:**	get or post
Required Permission:	View permission for the share.		
Description:	The main command for requesting dynamic imaging from the real-time channel. The server will check if an up-to-date image with the specified parameter already exists in the cache and create it if it doesn't. When the dynamic image is ready a HTTP redirect to the image in the cache is returned.		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to "1" to have the server request login and password using HTTP basic authorization.	none
autocrop	Set this to "1" to have eRez automatically crop the image as necessary to fit the specified width and height exactly. Since 4.0. Since version 4.1.2 you can optionally change the anchor using values 2-9: 1) middle center 2) upper left 3) upper center 4) upper right 5) middle left 6) middle right 7) lower left 8) lower center 9) lower right	none
angle	Image Rotation in degrees (± 0-360)	Template value
bottom	Image Crop rectangle bottom value (0.0–1.0)	Template value
brightness	Brightness adjustment (0.0.-∞). Since 4.1.	1.0
clipcolor	Optional RGB background color used to render the clipping path or specified path (see path). The format is a standard RRGGBB value.	None
bordercolor	Optional RGB border color. This will append a border around the image. Default border size is 1 pixel on all 4 sides.	None
border	Optional default border size in pixels for all 4 sides. Maximum allowed size is 100 pixels.	1
bordertop, borderleft, borderbottom, borderright	Optional override of border size for top,left, bottom and right side.	As specified by border or 1.

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Image Command, continued

expire	Make the result timeout after 5 minutes when the smart client side caching via redirection has been disabled. Bye specifying a value of 0 the resulting image will never expire.	1
eyecon	“Eyecon” image (hotspot) position. Legal values are: 0) None 1) Upper-left 2) Upper-right 3) Lower-left 4) Lower-right	Template value
fill	A 6 digit hexadecimal HTML RGB color value used to pad the image to make it fit the specified width and height exactly.	Template value
fillmode	Controls the way images are padded: 0: Horisontal and vertical padding. 1: Horisontal padding only. 2: Vertical padding only.	0
format	Image file format. Legal values are: 1) jpeg 2) png 3) flash 4) pdf 5) eps 6) tiff	Template value
height	Image Height in pixels. Used with respect to the aspect ratio.	Template value

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Image Command, continued

keepaspect	Using a value of “0” will force the server to return an image with exactly the specified width and height and ignore the aspect ratio of the source image. Since version 3.0.	Template Value (1)
left	Image Crop rectangle left value (0.0–1.0)	Template value
oposx	Position of the left edge of the overlay image in the range (0.0 – 1.0). Since version 3.0.	None. Overlay will be centered.
oposy	Position of the top edge of the overlay image in the range (0.0 – 1.0). Since version 3.0.	None. Overlay will be centered.
quality	JPEG quality. 0 = very poor, 100 = best.	Template value
right	Image Crop rectangle right value (0.0–1.0)	Template value
path	The name of an embedded path to render	None
redirect	Use smart client side caching via redirection. Since version 2.5.5 this can be disabled by specifying a value of 0.	1
save	Since version 4.0.7. If this is set to “1” eRez will try to detect Internet Explorer and Opera browsers and modify the header values so that the result can be saved to disk without modification. This will also disable the smart client side caching via redirection (see redirect above).	0
scale	Scale hint to help eRez pick the right resolution. Since version 4.0.	Calculated by the server
sharpen	Sharpening/blur (± 0-500)	Template value
src	URL encoded eRez path to the folder.	Obligatory
tmp	The real-time template to use.	“default” (since version 2.5.1)
top	Image Crop rectangle top value (0.0–1.0)	Template value
width	Image Width in pixels. Used with respect to the aspect ratio.	Template value
anc	SVG overlay anchor point. Specifies where the SVG overlay is anchored. lt = left top rt = right top lb = left bottom rb = right bottom c = center	c for center

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Image Command, continued

scl	SVG scale type. Specifies how to intrepid the size of the SVG template. absw = absolute width size in pixels absh = absolute height size in pixels absf = absolute fit size in pixels (fit in square box of size) relw = relative in percent to width of the requested image relh = relative in percent to height of the requested image relf = relative in percent to requested image, automatically selecting height or width, so that the template is always within the image.	relf
sclval	SVG scale value. Specifies the size of the SVG template. If scl = rel then the value is in percent of the requested image. Range [0..100] If scl = abs then the value is in pixels.	25
tplname	SVG template name. Specifies the name of the SVG template to use. The real time template most have template name override enabled, otherwise the parameter is ignored.	The name specified in the real time template
SVG Parameters	In addition to the above parameters, there can be any number of custom defined parameters for SVG templates. If the parameter is defined in the real time template, the parameter will be substituted with the value of the parameters. For more information look at the documentation for using SVG templates.	none
zoomlevel	Set this to “1” to have eRez automatically crop the image to match the desired zoom level (percentage 1-100). Since 4.0	none
Output:	HTTP redirect to image in cache or direct binary image data in case the parameter redirect=0 was used.	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	
Log entry	IMAGE. Possible extra fields: e) LOW MEMORY RETRY plus additional text indicating that a severe low memory condition was encountered. f) The number of milliseconds waiting for the image to be created,	

TIP: Use the “Publish to Web” tool to experiment with the different parameters. This tool can create and preview the URLs for you as well as generate complete HTML pages with Zoom enabled images.

Info Command

Selector:	erez?cmd=info	**http method:**	get or post
Required Permission:	List permission for the share.		
Description:	Create a HTML page with image information.		
Input Parameter:	**Description:**	**Default Value:**	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	URL encoded eRez path to the image.	obligatory	
vtl	HTML template for output.	info.html	
escape	Escape method used for the VTL parameters. Legal values are: 1) html 2) xml 3) none	html	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
src	URL encoded eRez path to the image
esrc	Encrypted eRez path to the image (**since 4.0.6**).

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Info Command, continued

exif_aperture	EXIF Aperture or undefined.
exif_artist	EXIF Artist or undefined.
exif_brightness	EXIF Brightness or undefined.
exif_colorspace	EXIF Color Space or undefined.
exif_copyright	EXIF Copyright or undefined.
exif_customrendered	EXIF Custom Rendered or undefined.
exif_datetime	EXIF Date and Time or undefined.
exif_description	EXIF Image Description or undefined.
exif_digitalzoomratio	EXIF Digital Zoom Ratio or undefined.
exif_digitizeddatetime	EXIF Date and Time of digitization or undefined.
exif_exist	Defined if the image contains EXIF data.
exif_exposurebias	EXIF Exposure Bias or undefined.
exif_exposureindex	EXIF Exposure Index or undefined.
exif_exposuremode	EXIF Exposure Mode or undefined.
exif_exposureprogram	EXIF Exposure Program or undefined.
exif_exposuretime	EXIF Exposure Time or undefined.
exif_flash	EXIF Flash or undefined.
exif_flashenergy	EXIF Flash Energy or undefined.
exif_focallength	EXIF Focal Length or undefined.
exif_focallengthin35mmfilm	EXIF Focal Length in 35mm Film or undefined.
exif_focalplanexres	EXIF Focal Pane X resolution or undefined.
exif_focalplaneyres	EXIF Focal Pane Y resolution or undefined.
exif_fstop	EXIF F Stop or undefined.
exif_isospeed	EXIF ISO Speed or undefined.
exif_lightsource	EXIF Light Source or undefined.
exif_make	EXIF Make or undefined.
exif_maxaperture	EXIF Maximum Aperture or undefined.
exif_meteringmode	EXIF Metering Mode or undefined.
exif_model	EXIF Model or undefined.
exif_originaldatetime	EXIF Date and Time of Image Capture or undefined.
exif_pixelheight	EXIF Height in Pixels or undefined.
exif_pixelwidth	EXIF Width in Pixels or undefined.
exif_scenecapturetype	EXIF Scene Capture Type or undefined.
exif_sensingmethod	EXIF Sensing Method or undefined.

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Info Command, continued

exif_shutterspeed	EXIF Shutter Speed or undefined.
exif_software	EXIF Software Used or undefined.
exif_spectralsensitivity	EXIF Spectral Sensitivity or undefined.
exif_subjectdistance	EXIF Subject Distance or undefined.
exif_subjectlocation	EXIF Subject Location or undefined.
exif_whitebalance	EXIF White Balance or undefined.
file_bytesize	The size of the file in bytes or undefined.
file_exist	Defined if the object is a file (always).
file_lastmodified	The date and time when the file was last modified or undefined.
file_path	File and path name (hidden if src was encrypted).
file_path	The eRez path and name of the file (hidden if src was encrypted).
file_size	The size of the file in bytes and "human readable".
img_bitsperchannel	The number of bits per channel for the image.
img_channels	The number of channels for the image.
img_colormodel	The image color model.
img_columns	The width of the image in pixels or undefined.
img_compression	The image copmpression scheme.
img_exist	Defined if the object is an image.
img_format	The image file format.
img_iccprofile	The ICC profile description or undefined.
img_resolutionlevels	The number of resolution levels found in the image file.
img_rows	The height of the image in pixels or undefined.
iptc_exist	Defined if the image contains IPTC meta data.
iptc_????	Any of the fields as defined in the IPTC Field List
opi_imageid	OPI Image ID (Since 3.1)

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photoshop_clippath	The name of the current clipping path or undefined.
photoshop_clippath_url	The URL encoded name of the current clipping path or undefined. (Since version 2.5.1).
photoshop_exist	Defined if the image contains Photoshop specific data.
photoshop_layers	An optional array of photoshop layer names (since version 4.0).
photoshop_url	The URL entered from File:GetInfo or undefined.
photoshop_paths	An optional array of clippath information records. Each record has the following fields: 1) name – the name of the path. 2) encodedname – URL encoded version of the name (since version 2.5.1). 3) top – the top y coordinate of the bounding box (0.0 - 1.0). 4) left – the left x coordinate of the bounding box (0.0 - 1.0). 5) bottom – the bottom y coordinate of the bounding box (0.0 - 1.0). 6) right – the right x coordinate of the bounding box (0.0 - 1.0).
preview_exist	Defined if the object can be represented by a preview image (since 2.5.5).
templates	An array of real-time templates. Each with the following attributes: Width : The width in pixels. Height The height in pixels. Name : The Name of the template. If the element is referenced without specifying an attribute, the name is returned.
profiles	An array of ICC profiles, each with the following attributes: URLName : URL Encoded name. HTMLName : HTML encoded name. NAME : Straight name.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	INFO. (no extra parameters)

InfoEdit Command

Selector:	erez?cmd=infoedit	**http method:**	get or post
Required Permission:	Edit permission for the share.		
Description:	Create a HTML page with image information for editing.		
Input Parameter:	**Description:**	**Default Value:**	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	URL encoded eRez path to the image.	obligatory	
vtl	HTML template for output.	info.html	
escape	Escape method used for the VTL parameters. Legal values are: 4) html 5) xml 6) none	html	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		
Template Parameter:	**Description:**		
The parameters are identical to those of the "Info" command. Please refer to the Info Command.			
Log entry	EDIT. (no extra parameters)		

List Command

Selector:	erez?cmd=list	**http method:**	get or post
Required Permission:	List permission for the share. No permission is needed for the root level – but only shares to which the current user has list permission are included.		
Description:	Builds a HTML page with a list of files and sub-folders in the folder.		
Input Parameter:	**Description:**		**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
charset	Character encoding for the HTML page		As defined in the system configuration
cols	Number of columns in the list		From system.xml configuration file.
page	The page number to display		1
rows	Number of rows in the list		From system.xml configuration file.
select	If the value is “all” then all files in the folder will be added to the current selection. If the value is “none” then all files in the folder will be removed from the current selection.		none
src	The eRez path to the folder.		obligatory
vtl	HTML template for output.		list.html
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		
Template Parameter:	**Description:**		
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.		
candownload	Set to “true” if download is enabled for this share. Otherwise undefined.		
curpage	Current page number		

Continued on next page

List Command, continued

Template Parameter:	Description:
current	Information about the current folder with the attributes “Name” and “Path”.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
files	A two dimensional list of elements in the list organized as rows and columns. Each element has the following attributes: **IsDir** : true if the element is a folder. **IsFile** : true if the element is a file. Ig the element is neither a folder or a file it is an empty element. **Selected :** true if the element is checked (part of the current selection). **StraightName** : Plaintext name of the element. **Name**: HTML encoded name of the element. **Name(maxlen)** : HTML encoded name of the element limited to maxlen characters. If the name must be truncated an ellipsis character is added at the end. **EncodedName :** URL encoded name of the element. **ID** : A “random” ID unique for this page **EncodedURL** The full encoded path and name for the image.Since version 3.0. **Method “getInfo()” (from version 2.5):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned. The result is HTML encoded. **Method “getInfoUnencoded ()” (from version 3.0):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned.The result is unencoded. **Method “getInfoXML ()” (from version 3.0):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned.The result is XML encoded.

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List Command, continued

lastpage	Last page number (number of pages)
nextpage	Next page number
parents	A list with Information about all parent folders. Each with the attributes “Name” and “Path”.
prevpage	Previous page number
src	The eRez path to the folder.
esrc	An encrypted block with the eRez path to the folder as well as the user’s credentials (username and password) used to repeat the listing without first logging on. **Since version 3.0.5.**
title	Suggested title for the page (path + “*”)
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	LIST. (no extra parameters)

Livetree Command (since version 4.0)

Selector:	erez?cmd=livetree	**http method:**	get or post
Required Permission:	none		
Description:	Returns folder information as required by Emanuel Borsboom’s LiveTree 0.1.2 project.		
Input Parameter:	**Description:**	**Default Value:**	
depth	Number of levels to return	obligatory	
src	The eRez path to the folder.	/	
Output:	HTTP redirect to one of the two URLs.		
HTTP Errors:	NOT_FOUND(404)		
Log entry	LIVE-TREE-ROOT. (no extra parameters)		

Login Command

Selector:	erez?cmd=login	**http method:**	get or post
Required Permission:	none		
Description:	Verify the user login and password and create a session attribute for the user.		
Input Parameter:	**Description:**		**Default Value:**
fail-url	The URL to redirect to if the login fails (wrong login/password).		obligatory
login	User's login .		obligatory
ok-url	The URL to redirect to if the login succeeds.		obligatory
password	User's password.		obligatory
Output:	HTTP redirect to one of the two URLs.		
HTTP Errors:	BAD_REQUEST(400)		
Log entry	LOGIN. (no extra parameters)		

Mail-Download-Basket (Since version 4.0)

Selector:	erez?cmd=mail-download-basket	**http method:**	Post
Required Permission:	None. The collection ID must be known.		
Description:	Emails a download basket.		
Input Parameter:	**Description:**		**Default Value:**
mail-template	The name of the template that are used for sending the mail.		None
to	The email address which the basket should be sent to.		None
from	The email address of the sender.		If the user is logged in the users email address.
subject	The subject of the email.		none
message	The body of the email.		none
basket	The collection ID of images to mailed		Value from session cookie. If none is available a new collection will be created.
filesize	The size of the basket		obligatory
numofimages	The number of images in the basket		obligatory
vtl	HTML template for output.		downloadmanager.html
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	MAIL-DOWNLOAD-BASKET. Collection ID

MailCreate Command

Selector:	erez?cmd=mailcreate	**http method:**	Get
Required Permission:	List permission for the share.		
Description:	Create a HTML page with a form for sending emails.		
Input Parameter:	**Description:**		**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		None
charset	Character encoding for the HTML page		As defined in the system configuration
src	The eRez path to the file or folder.		Obligatory
vtl	HTML template for output.		Obligatory
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
filename	The name of the file or folder without the path.
srcpath	The eRez path to the file or folder.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	CREATE-MAIL. (no extra parameters)

MailSend Command

Selector:	erez?cmd=mailsend	**http method:**	get or post
Required Permission:	List permission for the share.		
Description:	Send an email to the recipient(s) and return a HTML page .		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	The eRez path to the file or folder.	obligatory	
vtl	HTML template for output.	obligatory	
mail-template	HTML template for the email.	obligatory	
to	Email receiver address	obligatory	
subject	Email subject	obligatory	
from	Email sender address	obligatory	
message	Email text message	obligatory	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter for the HTML page:	**Description:** Note: as always all the input parameters are available as well.
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Template Parameter for the EMail:	**Description:**
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
filename	The name of the file or folder without the path.
message	HTML formatted text message.
src	The eRez path to the file or folder.
Log entry	SEND-MAIL. (no extra parameters)

MailQueryCreate Command (since version 4.0)

Selector:	erez?cmd=mailquerycreate	**http method:**	get
Required Permission:	None		
Description:	Create a HTML page with a form for sending selections as emails.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
query	Optional query string (for future use)	eRez will automatically save the current selection and generate a query to reload it.	
vtl	HTML template for output.	obligatory	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
query	The query needed to reload the selection.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	CREATE-QUERY-MAIL. (no extra parameters)

MailQuerySend Command (since version 4.0)

Selector:	erez?cmd=mailquerysend	**http method:**	get or post
Required Permission:	List permission for the share.		
Description:	Send an email to the recipient(s) and return a HTML page .		
Input Parameter:	**Description:**		**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
charset	Character encoding for the HTML page		As defined in the system configuration
query	The query needed to reload the selection.		obligatory
vtl	HTML template for output.		obligatory
mail-template	HTML template for the email.		obligatory
to	Email receiver address		obligatory
subject	Email subject		obligatory
from	Email sender address		obligatory
message	Email text message		obligatory
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter for the HTML page:	**Description:** Note: as always all the input parameters are available as well.
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Template Parameter for the EMail:	**Description:**
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
message	HTML formatted text message.
query	The query needed to reload the selection.
Log entry	SEND-QUERY-MAIL. (no extra parameters)

Move Command (since version 3.1)

Selector:	erez?cmd=move	**http method:**	get or post
Required Permission:	Delete permission for the source share and upload permission for the destination share.		
Description:	Moved the file or folder to a new location.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	The eRez path to the source image or folder.	obligatory	
dst	The eRez path to the destination folder	obligatory	
vtl	HTML template for output.	moved.html	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
directory	“1” if the moved item was a directory. Otherwise undefined.
parent	Path to the parent folder of the source.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	MOVE, destination

Move To Tree Command (since version 3.1)

Selector:	erez?cmd=moveto-tree	**http method:**	get or post
Required Permission:	Delete permission for the share.		
Description:	Create a HTML page with a hierarchical list of folders to which the source image or folder can be moved (for which the user has upload permission).		

Input Parameter:	**Description:**	**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none
charset	Character encoding for the HTML page	As defined in the system configuration
src	The eRez path to the source image or folder.	obligatory
vtl	HTML template for output.	obligatory
Output:	HTML page.	
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)	

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
tree	A list of nodes in the tree. Each node has the following attributes: Node – Identifier for the node. Unique for the page. Parent – The parent node’s identifier. Root level nodes have “foldersTree” as parent. Folder – Name of the folder. Path – The eRez path to the folder.
src	Encoded path to the source image or folder.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	MOVETO-TREE. (no extra parameters)

Search Command (since 3.0)

Selector:	erez?cmd=search	**http method:**	get or post
Required Permission:	None. Only images in folders where the user has list permission are returned.		
Description:	Builds a HTML page with a list of files matching the query. The list is sorted by relevance.		
Input Parameter:	**Description:**		**Default Value:**
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
charset	Character encoding for the HTML page		As defined in the system configuration
cols	Number of columns in the list		From system.xml configuration file.
page	The page number to display		1
rows	Number of rows in the list		From system.xml configuration file.
select	If the value is “all” then all files in the folder will be added to the current selection. If the value is “none” then all files in the folder will be removed from the current selection.		none
query	The query string		obligatory
query2	Optional second query string. The result will match both query and query2 (AND). Since version 4.0.		none
src	Optional encoded path to a source folder to which the search will be limited. Since version 4.0.		none
vtl	HTML template for output.		searchresults.html
Output:	HTML page.		
HTTP Errors:	NOT_FOUND(404)		
Template Parameter:	**Description:**		
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.		
curpage	Current page number		

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Search Command, continued

Template Parameter:	Description:
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
files	A two dimensional list of elements in the list organized as rows and columns. Each element has the following attributes: **IsDir** : true if the element is a folder. **IsFile** : true if the element is a file. Ig the element is neither a folder or a file it is an empty element. **Selected :** true if the element is checked (part of the current selection). **Score :** A value between 0 and 100 describing the relevance or “score” of this search. **StraightName** : Plaintext name of the element. **Name**: HTML encoded name of the element. **Name(maxlen)** : HTML encoded name of the element limited to maxlen characters. If the name must be truncated an ellipsis character is added at the end. **EncodedName :** URL encoded name of the element. **ID** : A “random” ID unique for this page **EncodedURL** The full encoded path and name for the image.Since version 3.0. **Method “getInfo()” (from version 2.5):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned. The result is HTML encoded. **Method “getInfoUnencoded ()” (from version 3.0):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned.The result is unencoded. **Method “getInfoXML ()” (from version 3.0):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned.The result is XML encoded.

Search Command, continued

htmlquery	HTML encoded query string
lastpage	Last page number (number of pages)
nextpage	Next page number
prevpage	Previous page number
query	URL encoded query string
equery	An encrypted block with the query as well as the user's credentials (username and password) used to repeat the query without first logging on. **Since version 3.0.5.**
title	Suggested title for the page ("Search Results")
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	SEARCH, query, number of hits

Show Selection Command (since 4.0)

Selector:	erez?cmd=showselection	**http method:**	get or post
Required Permission:	None. Only files in the selection where the user has list permission are returned.		
Description:	Builds a HTML page with a list of files in the current selection		
Input Parameter:	**Description:**		**Default Value:**
charset	Character encoding for the HTML page		As defined in the system configuration
cols	Number of columns in the list		From system.xml configuration file.
page	The page number to display		1
rows	Number of rows in the list		From system.xml configuration file.
vtl	HTML template for output.		searchresults.html
Output:	HTML page.		
HTTP Errors:	NOT_FOUND(404)		
Template Parameter:	**Description:**		
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.		
curpage	Current page number		
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.		
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)		

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Show Selection Command, continued

Template Parameter:	Description:
files	A two dimensional list of elements in the list organized as rows and columns. Each element has the following attributes: **Selected :** true if the element is checked (part of the current selection). **StraightName** : Plaintext name of the element. **Name**: HTML encoded name of the element. **Name(maxlen)** : HTML encoded name of the element limited to maxlen characters. If the name must be truncated an ellipsis character is added at the end. **EncodedName :** URL encoded name of the element. **ID** : A “random” ID unique for this page **EncodedURL** The full encoded path and name for the image.Since version 3.0. **Method “getInfo()” (from version 2.5):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned. The result is HTML encoded. **Method “getInfoUnencoded ()” (from version 3.0):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned.The result is unencoded. **Method “getInfoXML ()” (from version 3.0):** This method can be called with the name of any of the meta data fields known from the “Info” command such as “exif_digitizeddatetime” etc.. Note that the use of this method may impact performance of the list command since each of the files in the list will have to be opened before the list is returned.The result is XML encoded.
lastpage	Last page number (number of pages)
nextpage	Next page number
prevpage	Previous page number
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	SEARCH, query, number of hits

Stats Command

Selector:	erez?cmd=stats	**http method:**	get or post
Required Permission:	Administrator		
Description:	Create a HTML page with server information.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
vtl	HTML template for output.	stats.html	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403)		

Template Parameter:	**Description:**
activitytime	Total number of seconds the server has been handling requests.
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
downloadtemplates	List of names for download templates.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”).
ftpmounts	List of defined FTP targets (for SOAP interface only).
hits	Total number of requests.
iccprofiles	List of ICC profile descriptions.
imagecount	Number of images on the server.
img_averagequeue	Average real-time image queue size.
img_jobs	Total real-time image jobs processed.
img_maxqueue	Maximum real-time image queue size.
img_threads	Number of real-time image processor threads.
licenses	List of licenses. Each element in the list contains another list with elements with a “key” and “value” attribute.
load	(activitytime * 100) / uptime
mounts	List of shares

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Stats Command, continued

peaktreads	Maximum number of concurrent hits
prez_averagequeue	Average asynchronous image queue size.
prez_jobs	Total asynchronous image jobs processed.
prez_maxqueue	Maximum asynchronous image queue size.
prez_threads	Number of asynchronous image processor threads.
started	Date and time the server was started.
system_cpus	Number of CPUs in the server.
system_freememory	Amount of free memory in the Java VM.
system_jai	Java Advanced Imaging version information.
system_java	Java Advanced Imaging version information.
system_os	Operating system information.
system_server	Java Server information.
system_time	Current date and time.
system_totalmemory	Total memory allocated to the Java VM.
templates	List of real-time template names.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
uptime	Number of seconds the server has been running.
version	eRez version information
Log entry	STATS. (no extra parameters)

Tree Command

Selector:	erez?cmd=tree	**http method:**	get or post
Required Permission:	List permission for the share. No permission is needed for the root level – but only shares to which the current user has list permission are included.		
Description:	Create a HTML page with a hierarchical list of folders.		
Input Parameter:	**Description:**	**Default Value:**	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
src	The eRez path to the root folder of the tree.	obligatory	
vtl	HTML template for output.	obligatory	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	**Description:**
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
tree	A list of nodes in the tree. Each node has the following attributes: Node – Identifier for the node. Unique for the page. Parent – The parent node’s identifier. Root level nodes have “foldersTree” as parent. Folder – Name of the folder. Path – The eRez path to the folder.
srcpath	The eRez path to the file or folder.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	TREE. (no extra parameters)

Update Command

Selector:	erez?cmd=update	http method:	get or post
Required Permission:	Edit permission for the share.		
Description:	Update the IPTC information for an image file and optionally rename it.		
Input Parameter:	Description:		Default Value:
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
filename	New filename. If specified the file will be renamed.		
iptc_????	Any of the fields defined in the IPTC Field List.		blank
redirect	URL to redirect to. The URL encoded eRez path to the file will be appended to the URL.		
src	The eRez path to the root folder of the tree.		
vtl	HTML template for output.		
Output:	HTTP Redirect to the specified URL.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404), BAD_REQUEST(400)		
Log entry	UPDATE. (no extra parameters)		

Update Selection Command (since 4.0)

Selector:	erez?cmd=update-selection	http method:	get or post
Required Permission:	None. Only images supporting updates and for which the user has the necessary permission is actually updates.		
Description:	Update the IPTC information and rotation for images in the current selection.		
Input Parameter:	Description:		Default Value:
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
angle	Optional rotation in degrees.		blank
iptc_????	Any of the fields described in the IPTC Field List.		blank
redirect	URL to redirect to. The URL encoded eRez path to the file will be appended to the URL.		
vtl	HTML template for output.		
Output:	HTTP Redirect to the specified URL.		
HTTP Errors:	BAD_REQUEST(400)		
Log entry	UPDATE-SELECTION. (no extra parameters)		

Upload Command

Selector:	erez?cmd=upload	http method:	get or post
Required Permission:	Upload permission for the share.		
Description:	Create a HTML page with a form for uploading.		
Input Parameter:	Description:		Default Value:
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.		none
src	The eRez path of the target folder.		obligatory
vtl	HTML template for output.		upload.html
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	Description:
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
ticket	A unique hard-to-guess ticket that must be returned with the uploaded data.
srcpath	The eRez path to the file or folder.
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	UPLOAD-CREATE. (no extra parameters)

Upload POST

Selector:	upload	http method:	**post**
Required Permission:	No permission is needed because the unique and hard-to-guess ticket is required.		
Description:	Receive uploaded data. Data can both be ZIP archives and individual image files in JPEG, FlashPix or TIFF formats. Image in JPEG format or TIFF without pyramid extensions will be converted using the download template specified. An optional e-mail can be sent as a receipt to the sender or someone else.		
Input Parameter:	Description:	Default Value:	
(FILE)	Any number of files can be included.		
format	Name of the download-template to use for conversion of uploaded images.	master-tiff	
Iptc_????	Any of the fields described in the IPTC Field list. Since version 4.0.	blank	
overwriteIPTC	If “true” all existing IPTC data will be replaced.	false	
mail-from	E-mail address of “sender”	blank	
mail-subject	Subject of the E-Mail	Upload Receipt	
language	Language used for the email receipt. Since 4.1.	en	
mail-template	The template to use for the e-mail receipt.	mail/upload-receipt.html	
mail-to	E-mail address of the recipient.		
makefolder	If defined a new folder will be created with the name from “newfolder”		
newfolder	Name of the new folder where images should be placed.		
redirect	The page to redirect to when the upload has been unpacked.		
sendmail	If defined an E-mail is sent to “mail-to”.		
ticket	The unique ticket created by the upload command.		
Output:	HTTP redirect to ***redirect*** + “&uploadcount=” + (number of image files received).		
HTTP Errors:	BAD_REQUEST (400)		
Log entry	UPLOAD-DATA. (no extra parameters)		

Note: The form posted must be encoded as multipart/form-data like this:

```
<form action="upload" method="post" enctype="multipart/form-data" name="upload">
</form>
```

Upload-status Command (since version 3.0.5)

Selector:	erez?cmd= upload-status	http method:	get or post
Required Permission:	None. A valid ticket is required.		
Description:	Returns status information about a file transfer in progress.		
Input Parameter:	Description:		Default Value:
ticket	The unique hard-to-guess ticket returned by the upload command.		obligatory
vtl	HTML template for output.		obligatory
Output:	HTML page.		
HTTP Errors:			

Template Parameter:	Description:
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
ticket	The unique hard-to-guess ticket returned by the upload command.
progress	A status object with the following attributes: PercentCompleted : percentage completed TotalSize : total size in bytes TotalSizeText : total size in readable text (e.g. 11 Mbyte). UploadedSize : the number of bytes transferred so far. UploadedSizeText : the amount of data transferred so far as readable text. Ticket : the unique ticket,
session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
Log entry	UPLOAD-STATS. (no extra parameters)

View Command

Selector:	erez?cmd=view	http method:	get or post
Required Permission:	View permission for the share.		
Description:	Create a HTML page with a “Zoom Viewer”.		
Input Parameter:	Description:	Default Value:	
adhoc	Set this to “1” to have the server request login and password using HTTP basic authorization.	none	
charset	Character encoding for the HTML page	As defined in the system configuration	
bottom	Image Crop rectangle bottom value (0.0–1.0)	1	
left	Image Crop rectangle left value (0.0–1.0)	0	
right	Image Crop rectangle right value (0.0–1.0)	1	
src	The eRez path to the image.	obligatory	
tmp	Template to user for preview.	obligatory	
top	Image Crop rectangle top value (0.0–1.0)	0	
vtl	HTML template for output.	viewer.html	
escape (since 3.1)	Escape method used for the VTL parameters. Legal values are: 7) html 8) xml 9) none	html	
Output:	HTML page.		
HTTP Errors:	UNAUTHORIZED (401), FORBIDDEN(403), NOT_FOUND(404)		

Template Parameter:	Description:
AUTHORIZED	“1” if the user has the necessary permission. Otherwise undefined.
candownload	“true” if download is enabled for this folder. Otherwise undefined.
DISABLED	“1” if the function is disabled for everybody. Otherwise undefined.
erez-url	eRez base URL (e.g. http://www.myserver.com/erez4/”)
src	The eRez path to the image with the cropping parameters appended.
templateheight	Template height in pixels.
templatewidth	Template width in pixels.
title	Page title
tmp	Template to use for preview.

Continued on next page

View Command, Continued

session	A session as described under Session Parameter. Since 4.1.
user	Contains information about the current user if logged in. Otherwise undefined. The available attributes and methods for the user are described in the User Parameter chapter.
In addition the View command includes all the metadata parameters identical to those of the "Info" command except for "templates" and "profiles" (Since version 3.1). *Please refer to the Info Command.*	
Log entry	Log entry

XML List Command (since version 4.0.1)

Selector:	erez?cmd= xmllist	http method:	get or post
Required Permission:	None. Only Shared Folders for which the user has list permission is included.		
Description:	Returns a list of files and folder in Synkron VIA NetworkFolder format.		
Input Parameter:	Description:		Default Value:
login	Optional User login.		optional
password	Optional user password.		optional
Output:	UTF-8 encoded XML document in Synkron VIA NetworkFolder format.		
HTTP Errors:			
Log entry	XML-LIST. (no extra parameters)		

IPTC Field list

This is a complete list of all the IPTC field codes supported by the eRez imaging Server.

iptc_byline	The IPTC byline field or undefined.
iptc_bylinetitle	The IPTC byline title field or undefined.
iptc_caption	The IPTC caption field or undefined.
iptc_captionwriter	The IPTC caption writer field or undefined.
iptc_category	The IPTC category field or undefined.
iptc_city	The IPTC city field or undefined.
iptc_copyright	The IPTC copyright field or undefined.
iptc_country	The IPTC country field or undefined.
iptc_creationdate	The IPTC creation date field or undefined.
iptc_creationtime	The IPTC creation time field or undefined.
iptc_credit	The IPTC credit field or undefined.
iptc_exist	Defined if the image contains IPTC meta data.
iptc_copyright	The IPTC copyright field or undefined.
iptc_country	The IPTC country field or undefined.
iptc_creationdate	The IPTC creation date field or undefined.
iptc_creationtime	The IPTC creation time field or undefined.
iptc_credit	The IPTC credit field or undefined.
iptc_headline	The IPTC headline field or undefined.
iptc_keywords	A set of IPTC keyword fields or undefined.
Iptc_largetext	Large caption (since version 4.0)
iptc_objectname	The IPTC object name field or undefined.
iptc_originaltransmissionreference	The IPTC original transmission reference field or undefined.
iptc_program	The IPTC program field or undefined.
iptc_provincestate	The IPTC province-state field or undefined.
iptc_source	The IPTC source field or undefined.
iptc_specialinstructions	The IPTC special instructions field or undefined.
iptc_supplementalcategoriess	A set of IPTC supplemental categories fields or undefined.
iptc_urgency	The IPTC urgency field or undefined.

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IPTC Field list, Continued

iptc_tilesx	Number of horizontal images for 3D representations (since 2.5.5).
iptc_tilesy	Number of vertical images for 3D representations (since 2.5.5).
iptc_scenesets	3D Scene sequence definition (since 2.5.5).
iptc_fsi	Up to 32K of text data reserved for use by FSI Viewer.
iptc_fw_jobid	FotoWare proprietary job id (since version 4)
iptc_fw_masterdocumentid	FotoWare proprietary master document id (since version 4)
iptc_fw_shortdocumentid	FotoWare proprietary short document id (since version 4)
iptc_fw_uniquedocumentid	FotoWare proprietary unique document id (since version 4)
iptc_fw_ownerid	FotoWare proprietary owner id (since version 4)
iptc_custom01, iptc_custom01 … iptc_custom20	20 custom fields as used by FotoWare and other software packages.