

Exa® PACS/RIS

Feature Summary

Using Local Cache

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Use local cache

A *local cache* is a dedicated area on a workstation or server to temporarily store Opal and DICOM studies for faster subsequent viewing. When using the local cache function, studies are sent from the modality (or forwarder) to the local cache on the workstation and to the image server in advance. When the radiologist opens the study from the worklist, Exa PACS/RIS opens the local copy, which is faster than downloading them from the image server.

- Any STAT studies in the designated filter are now prioritized. The study STAT level when added to local cache will be maintained. It will not maintain further STAT level updates.
- When locally caching studies with priors, the status does not appear as Study Complete until the original study and all priors are cached.

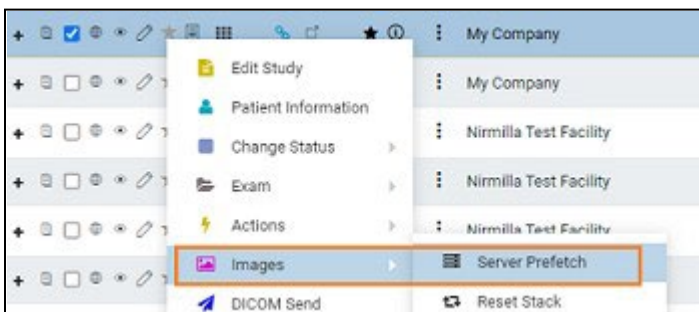
Perform a server prefetch



Prerequisite: Install and configure local cache.

You can manually initiate a server prefetch from the worklist, whereby the server decompresses a study and copies it to a “local” cache on the server. If large studies will be opened in the near future, you can perform a server prefetch of those studies for faster loading.

1. On a worklist study shortcut menu, select **Images > Server Prefetch**.



Prefetch studies to your local cache

You can manually prefetch studies “on demand.”

1. On a worklist study shortcut menu, select **Images > Add to My Local Cache**.

Result: The server queues the images for sending.

Prefetch studies to other local caches

1. On the worklist, select the **ALL STUDIES** tab.
2. On a worklist study shortcut menu, select **Images > Send to Local Cache**.
3. In the **Local Cache** screen, in the list of available caches, select to the left of one or more destination caches.
4. Do one of the following.
 - To send to the selected caches, select **LOCAL CACHE SELECTED**.
 - To send to all caches, select **LOCAL CACHE ALL**.

Auto-route studies to local cache

You can create a routing rule to send studies that satisfy criteria to your local cache. Complete the following procedures:

- Configure an application entity for your local cache.
- Configure a routing rule of type **LOCAL_CACHE**, and select the AE title you created.

Use an on call worklist filter to locally cache studies

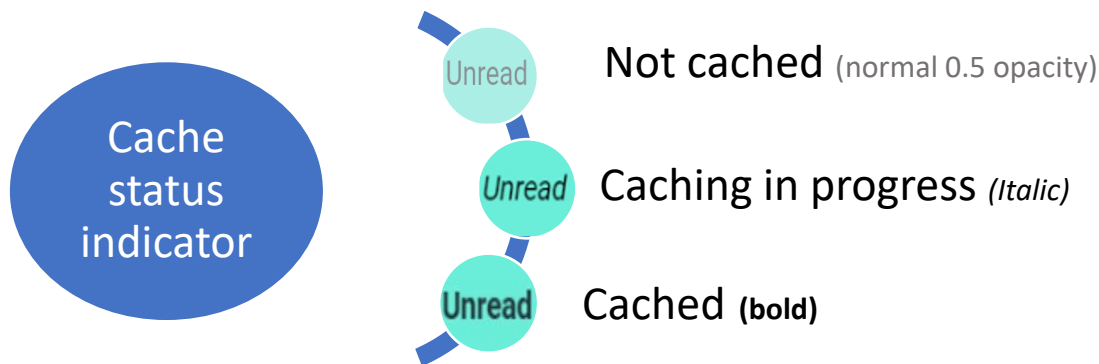
You can configure a worklist filter that sends matching studies to local cache.

1. Create a user worklist filter.
2. In **User Settings**, in the **Default Filter (Local Cache)** drop-down list, select the worklist filter.
3. See Filter creation suggestions below.
4. Select **SAVE**.
5. On your computer, in a text editor, open the **localCache.cfg** file located in the following path by default: `C:\Viztek\exa\cfg\localCache.cfg`
6. Find the line for “oncall_enabled” and set it as follows, and then save and close the file.

```
“oncall_enabled”: "true",
```






Understanding local cache on the worklist

There is now a real-time indicator on the worklist of the status of any study caching that is taking place. The cache status indicator on the worklist updates in real time with one of the following statuses:



When the globe 🌐 button for studies on the worklist is highlighted, this indicates the caching status as follows.

Radiologists should avoid opening studies until fully cached showing the green color.

-  Caching completed. (Current & Priors)
-  Current study cached. (Current cached & Priors in progress)
-  Caching in progress.
-  Some images could not be cached.
-  Caching hasn't started.

Filter creation suggestions

Some radiologists may need multiple worklists to help organize their work. To cache studies on all of these worklists, create a “joined” worklist and set it as the **Default Filter (Local Cache)** in User Settings.

1. On the worklist, select the filter button.



2. Select **Add**, and type a filter name.
3. Under **Joined Filters**, select filters to auto cache.
4. Set a **Filter Order**. Suggestion: Use a bigger number so not seen.
5. Select **Display in Dropdown**.
6. Select **SAVE**.

A screenshot of the 'Study Filter' configuration dialog box. The dialog has a dark blue header with the title 'Study Filter' and a close button (X). Below the header are several controls: a 'Filter Name *' text field containing 'Local Cache', a 'Show Encounters Only' checkbox, and a 'Summary' label. Below that is a 'Joined Filters' section with a blue button showing '3 SELECTED'. A 'Filter Order *' text field contains '10', and an 'Is Private' checkbox is checked. At the bottom, there are four checkboxes: 'Display as a Tab', 'Display in Dropdown' (checked), 'Show Only Exceeding Max Time', and 'Show DICOM Studies Only', 'Show RIS Orders Only', and 'Show Assigned Studies Only'. A 'SAVE' button is highlighted with a red box in the top right corner.