



Version 1.1

Administration Guide

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What is nStream™?

nStream is a standalone, cross-platform utility that provides a simple, error-free way for uploading and downloading files to a Xinet WebNative® server. The utility's interface allows for customization to complement the user's normal browser-based interaction with a WebNative server. The customization is dictated by settings on the WebNative server and makes no permanent modification to the nStream application. A user only needs to know the username, password, and server name for the WebNative server they wish to connect. By utilizing a non-browser interface the user is protected from typical site-display errors, browser crashing, and accidental closing of the upload window.

Installation is simple and only requires an nStream license accompanied by a license management CGI to be installed on the WebNative server. By default, nStream provides access to all the upload-enabled volumes already defined by the WebNative administrator for an authenticated user. Through the creation of a configuration file in a user's WebNative folder, an administrator may specify a custom banner to be displayed in the client. Other settings allow for the creation of custom upload (dropbox) and download (inbox) locations and the ability to disable top-level access to upload-enabled volumes.

Client Recommendations

Macintosh OS X 10.2.2 and higher, *or*
Macintosh OS 9.2.2 with CarbonLib 1.6 and higher, *or*
Microsoft Windows 98 and higher

Server Requirements

Xinet WebNative or WebNative Venture 5.02 or later,
Valid Xinet WebNative license,
Valid nStream license

Installation

NOTE: The following section contains instructions for the server-side installation. Installation and configuration of the client can be found separately in the *nStream User Documentation*.

The server-side installer may be obtained either from your dealer or via the web at <http://www.netcrumbs.com/>

The installer is either a compressed unix tar file (.tar.gz) or a Windows executable (.exe). If you have a unix server, log in as root and uncompress and unpack the software in an appropriate installation directory. You should now have a directory called `nclic_install` containing the files that will be installed. The appropriate files will be installed by executing the installation script by typing `nclic_install/install` from the command line. On Windows, just execute the `ncinstall.exe` file and you will be prompted through the installation.

Licensing

A license file may be obtained by contacting your dealer. Make sure your license file is named `nclic.dat` and place the file inside the `/usr/adm/webnative/` directory. (On Windows place the license file in `\\Program Files\Xinet\WebNative\Admin\`)

To determine the status of your license, connect to your server using the nStream application. Once connected, control-option-click in an active session window.

Configuration

nStream does not require any additional configuration other than what is required by WebNative. Any normal volume and style settings defined for a user in the WebNative administration are fully compatible with nStream and do not require any modification.

Note: if you are using the `email` upload style, or any upload style that utilizes the `upload.script` file, an nStream upload will also execute this script. By utilizing the `email` upload style notifications will be made when an nStream upload occurs.

Customization

Customizing a user's nStream experience is simple. a) install a custom banner to complement the user's WebNative styles, and b) use of a preference file to limit access to WebNative volumes.

- a) Providers may configure client-appearance by placing a custom banner file in a user's WebNative directory (`/var/adm/webnative/<username>`)

The banner MUST be named `ntxbanner.jpg` and it MUST be JPEG format. The banner should be 670x110 pixels in size.

- b) Providers may place a configuration file in the user's WebNative directory to configure client-behavior. The file must be named `ntxprefs.xml` and must be a standard XML file.

Example:

```
<?xml version="1.0"?>
<prefs>
  <showvols>1</showvols>
  <bannerlink>http://www.netcrumbs.com/</bannerlink>
  <dropbox>
    <name>Drop Box</name>
    <path>/raid/uploads/new files</path>
  </dropbox>
  <inbox>
    <name>Pick Up</name>
    <path>/raid/volume/Orbit Graphics/Pick Ups</path>
  </inbox>
</prefs>
```

The `prefs` root container is mandatory. Currently supported configuration directives are:

`showvols` - Possible values: 0 or 1 (default: 0)

If `showvols=0`, the client will not display toplevel volumes, thus prohibiting the client from navigating to any other folders than specified in the `inbox` and `dropbox` directive.

if `showvols=1` then all volumes to which a user has upload privileges will be shown in the clients 'upload' pane. These volumes will be rooted in a 'Custom' dropbox created by the application if no dropboxes are specified.

`bannerlink` – Banner URLs. (optional)

When a user clicks on the banner inside the window of an active `nStream` session, the user's machine will be instructed to connect to the URL specified in this directive. This directive requires the use of a custom banner (`ntxbanner.jpg`)

Suggested URL types are `http:` and `mailto:`

`dropbox` - Dropboxes are pre-set locations for uploading files. The provider may specify an unlimited amount of dropbox locations. It is the administrator's responsibility to ensure that the `upload Files` privileges to the given path is given in the WebNative configuration.

The `<path>` element is mandatory. It does not need to be url-encoded, but it can be.

The `<name>` element is optional. If given, this name will display to the user in the nStream application. If the `<name>` element is not present, the application will build the name from the last element in the path.

`inbox` - Inboxes are pre-set location from which a user may download files. The rules for the inbox directive are equivalent to those of the dropbox directive with the exception that upload privileges need not exist.

NOTE: It is the administrator's responsibility to ensure that the `Download Hi-Res` privilege to the given path is given in the WebNative configuration.

Inboxes are provided as a convenient way to download files 'in-progress' during a project. They are not intended to replace the functionality of the WebNative web interface.

If no customization is done as described above, a default application banner is used. Additionally, the user will have access to all upload-enabled volumes and no download capabilities.

Support

You may receive support as a WebNative server administrator using one of the following methods.

- Contact your dealer
- Online support: <http://www.netcrumbs.com/support>
- Email: support@netcrumbs.com