

# EC Autopilot Bundle

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## Purpose

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The purpose of this document is to prescribe the necessary practices and install the EC Autopilot and Netcrypt Module bundle onto the Explorer Controller v9.2.x.

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## Document Usage

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This document requires Command-line files to be executed by various users throughout the process. Please refer to the chart below to quickly identify.

"dnsc" Role Command-Line Syntax

"root" User Command-Line Syntax

## Installation Requirements

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To install the EC Autopilot, the following requirements must be met:

- Credentials
  - Explorer Controller
    - Username and password to access the existing Explorer Controller Web Interface
    - The “root” user password
  - Engineering Portal
    - Username and password
    - This portal is used to download the software and generate license keys
- Explorer Controller v.9.2.x
- A modern web-browser
  - Recommend: Firefox or Chrome
  - Note, do not use legacy/deprecated browsers to access the EC Autopilot

## Acquiring the EC Autopilot Software

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The EC Autopilot software may be downloaded by visiting  
<https://autopilot.video.engineering>.

To access this platform, you will need the workspace administrator to send you an invite. From there, go to the **Downloads** page and select “EC Autopilot”. Choose the appropriate package for your system.

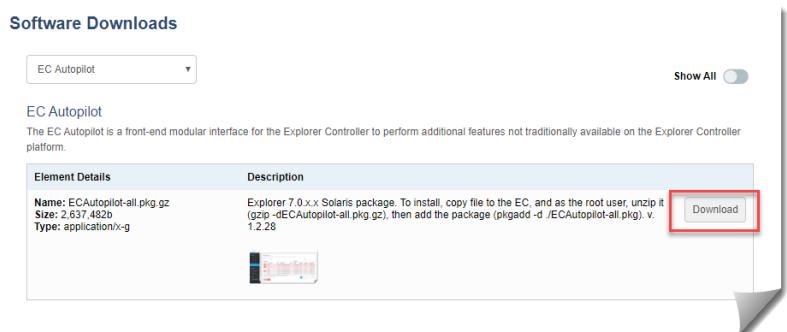
**Software Downloads**

EC Autopilot Show All

EC Autopilot  
The EC Autopilot is a front-end modular interface for the Explorer Controller to perform additional features not traditionally available on the Explorer Controller platform.

Element Details	Description
Name: ECAutopilot-all.pkg.gz Size: 2,637,482b Type: application/x-gzip	Explorer 7.0.x Solaris package. To install, copy file to the EC, and as the root user, unzip it (gzip -dECAutopilot-all.pkg.gz), then add the package (pkgadd -d /ECAutopilot-all.pkg). Version 1.2.28

**Download**  



## Installing the EC Autopilot

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The EC Autopilot has been bundled as a Linux package called "ECAutopilot" and is installed with one command. Because the EC Autopilot is a modular web environment, it requires an Apache™ webserver configuration referenced by a symbolic link. This allows unique URLs and optional security settings.

The EC Autopilot all resides in a new directory on the filesystem:

**/export/home/infinity/autopilot/**

Once you have obtained a copy software **Package File** and **Public Key File** (optional), copy the file(s) to the Explorer Controller into the /tmp/ directory and complete the following steps. Replace the **highlighted** section with the actual filename.

### Optional: Install Public Key:

The EC Autopilot for Linux is a signed package. The installation process verifies the signed package and without the Public Key the installation may present a soft warning message (e.g. *Header V4 RSA/SHA1 Signature*). It's recommended, although not required, to install the "EC Autopilot Public Key" prior to installing the actual package.

#### 1. Install the Public Key

```
cd /tmp/  
rpm --import <Key_File>.key
```

Example: rpm –import RPM-GPG-KEY-ECAutopilot.key

#### 2. Verify the Public Key has been installed

```
rpm -q gpg-pubkey --qf '%{NAME}-%{VERSION}-%{RELEASE}\t%{SUMMARY}\n'
```

Example:

```
[root@ecnextx90 ~]# rpm -q gpg-pubkey --qf '%{NAME}-%{VERSION}-%{RELEASE}\t%{SUMMARY}\n'  
gpg-pubkey-f4a80eb5-53a7ff4b      apa(CentOS-7 Kev (CentOS 7 Official Signing Key) <security@centos.org>)  
gpg-pubkey-29f4f5c6-5e38b246      gpg(ECAutopilot Key (ECAutopilot Signing Key) <license@ecautopilot.com>)  
[root@ecnextx90 ~]#
```

## Install the EC Autopilot RPM Package

Complete the following steps to install the EC Autopilot RPM package. It's important to note that the Apache™ Web Server is automatically restarted during this process to support the EC Autopilot URL.

### 1. Install the RPM Package

```
cd /tmp/  
rpm -Uvh <packagefile>.rpm
```

Example: rpm -Uvh ECAutopilot-1.3.1-1.el7.x86\_64.rpm

```
[root@ecnextx90 tmp]#  
[root@ecnextx90 tmp]# rpm -Uvh ECAutopilot-1.3.1-1.el7.x86_64.rpm  
Preparing... ################################ [100%]  
Updating / installing...  
 1:ECAutopilot-1.3.1-1.el7      ##### [100%]  
Setting Timestamp in Transaction Log...  
Restarting Apache Services...  
[root@ecnextx90 tmp]#
```

### 2. Remove the Package File

```
rm <packagefile>.rpm
```

## Accessing the EC Autopilot

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Point your web browser to the following URL, replace the highlighted section with the IP (or DNS hostname) of the Explorer Controller. Take note this version of EC Autopilot is accessible via https.

**https://10.0.0.4/autopilot/**

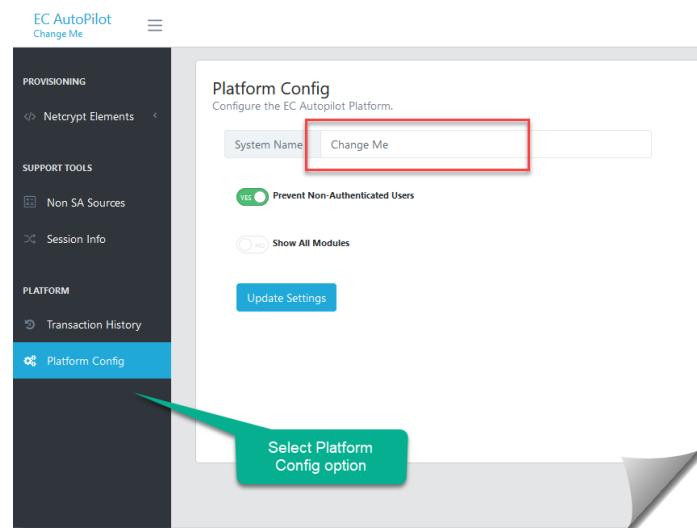
You will be prompted to logon if you have not previously authenticated to the Explorer Controller application in the current session. Simply use your Explorer Controller credentials for this step.

Note: The EC Autopilot can be further restricted to use a unique list of user accounts. Contact support if you would like more information.

## Quick Configuration Settings

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To set the system name, click the "Platform Settings" option on the left. Then, update the name field and click the Save button. This will update the name for all users.



## Apply Licenses

The EC Autopilot is a modular framework allowing you to perform many functions on the Explorer Controller. As you click the links on the left, you may be prompted to enter a license key to enable the feature. Licenses are assigned to "workspaces" within the Video Engineering portal at <https://autopilot.video.engineering>.

Complete the following steps to enable features for each module.

### Session Report

The table below contains all the provisioned Netcrypt sessions within the Explorer Controller.

### License Error

This module is not licensed. Please visit <http://autopilot.video.engineering> to obtain a valid license.

Use this token to generate a license:

```
fDt9Z301KL18rd1c+fDsmRX5zKmR90191fTt503s1NF8qKCpFfDsnoYpLNTp9JX05K3MmSjdzeE18JXhgft  
sn0zdzdGB9S3RifUt4Sn1zNGw=
```

License Key:

Apply

1. Visit the Video Engineering portal and click the **Licenses** option.

2. If the site does not exist in the Video Engineering portal, click the "Add Site" option to create it. Skip this step if the site is already created.

3. Then click the **New License** option on the left and complete the following items:

- a. Site Name
- b. Entitlement Name (Software Package)
- c. Token (Copy/Paste this from the EC Autopilot)
- d. Click **Generate License** button

4. Copy the license key from the Video Engineering portal and paste it into the EC Autopilot

Home

## Video Engineering: Software Portal

Workspace:

Dashboard Downloads Licenses Documentation Validate Data Workspace Logout

License Options

New License (highlighted)

Assigned Licenses

License Stats

View Sites

Add Site (highlighted)

Licenses

Workspace	Site	Software License	Duration
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

License Options

New License

Assigned Licenses

License Stats

View Sites

Add Site

Licenses

NetCrypt Session Builder for Another Site License Key:

```
JXYjJDJhdXEkdHkpKHnxCs+NEg1P0hKfGJIYH07lwrvKCP  
h9O31heGB8YXU8ISV5Z3w7dEl8OyZhSH9Z3wJmJ9c3hfF
```

Copy to Clipboard

Session Report

The table below contains all the provisioned Netcrypt sessions within the Explorer Controller.

Session ID	Site	Software License	Duration
[redacted]	[redacted]	[redacted]	[redacted]

License Applied

Thank you for applying the license key.

Go To Module (highlighted)

## Remove the EC Autopilot

To remove the EC Autopilot package, complete the following steps. Keep in mind, any log and rollback files that are saved within the EC Autopilot directory path are preserved and will not automatically be removed. Those files may be reviewed and manually removed.

1. Uninstall the Linux package and confirm by answering "y"

```
rpm -e ECAutopilot
```

```
[root@ecnextx90 ~]#  
[root@ecnextx90 ~]# rpm -e ECAutopilot  
[root@ecnextx90 ~]#  
[root@ecnextx90 ~]#
```

2. Remove Apache™ symbolic link and restart the Apache service. You will need to confirm the removal of the symbolic link.

```
rm /etc/httpd/user-conf/443.autopilot.conf  
/sbin/apachectl stop  
/sbin/apachectl start
```

```
[root@ecnextx90 tmp]#  
[root@ecnextx90 tmp]# rm /etc/httpd/user-conf/443.autopilot.conf  
rm: remove symbolic link '/etc/httpd/user-conf/443.autopilot.conf'? y  
[root@ecnextx90 tmp]#  
[root@ecnextx90 tmp]# /usr/sbin/apachectl stop  
[root@ecnextx90 tmp]#  
[root@ecnextx90 tmp]# /usr/sbin/apachectl start  
[root@ecnextx90 tmp]#
```

3. Verify services by logging into the Explorer Controller interface.

4. Remove the RPM Public Key (if installed):

- a. Identify the Public Key Name:

```
rpm -q gpg-pubkey --qf '%{NAME}-%{VERSION}-%{RELEASE}\t%{SUMMARY}\n'
```

```
[root@ecnextx90 ~]# rpm -q gpg-pubkey --qf '%{NAME}-%{VERSION}-%{RELEASE}\t%{SUMMARY}\n'  
gpg-pubkey-f4a80eb5-53a7ff4b gpg(CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>)  
gpg-pubkey-29f4f5c6-5e38b246 gpg(ECAutopilot Key (ECAutopilot Signing Key) <license@ecautopilot.com>)  
[root@ecnextx90 ~]#
```

- b. Remove the Key

```
rpm -e KEYNAME
```

```
[root@ecnextx90 ~]# rpm -q gpg-pubkey --qf '%{NAME}-%{VERSION}-%{RELEASE}\t%{SUMMARY}\n'  
gpg-pubkey-f4a80eb5-53a7ff4b gpg(CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>)  
gpg-pubkey-29f4f5c6-5e38b246 gpg(ECAutopilot Key (ECAutopilot Signing Key) <license@ecautopilot.com>)  
[root@ecnextx90 ~]#
```