



Castanet Glossary

access control (on a Transmitter)

Various means of controlling who can administer the Transmitter and which users can access channels on it. See [administration access control](#), [channel access control](#), and [publish access control](#).

access log

An alternative term for [request log](#).

admin log

See [administration log](#).

admin Tuner

The Tuner (installed by Castanet Installer) from which an administrator does all Castanet deployment and follow-up administration. The staging Transmitter runs as a channel on this Tuner.

administration access control

A security feature that determines who can edit the configuration settings for a given Transmitter.

administration log

A file in which a Transmitter records all publishing operations to that Transmitter, modifications to its configuration by an administrator, and changes made during its operation as a repeater or mirror Transmitter. A proxy server also has an administration log, recording modifications to its configuration and changes made during its operation.

administration port

The port that various Castanet product channels use to connect to and administer Tuners and server channels (such as a Transmitter or a proxy server). By default, this port is 7717.

ADP

Application Distribution Protocol; a protocol designed by Marimba and used for communication between the Tuner and the Transmitter. It runs on top of HTTP and works in a simple request/response mode.

Application Distribution Protocol

See [ADP](#).

Application Installer

A Castanet component that appears when a user subscribes to a channel created by Application Packager. It installs the application or content files comprising the channel (and the application for viewing the content files, if the channel has been configured to do so).

Application Packager

A Castanet channel that must be used to package any non-Java application before it can be published as a channel (and that can also be used to publish the channel). It provides an interface to a family of packaging components, including Packager for Shrinkwrap Windows Applications, Packager for Visual Basic Applications, Custom Application Packager, File Packager, and Java Packager.

archive (a channel)

To package a channel with a Tuner so that the channel is already subscribed to when the Tuner is installed.

archived channel

A channel that's prepackaged with a Tuner, such that it's already subscribed to when the Tuner is installed.

authentication

See [client authentication](#).

authenticator extension

A Transmitter extension that customizes the mechanism used by the Transmitter to control which users can access the Transmitter or the channels on it.

available (channel)

A channel status indicating that the channel is available for subscription. When the user starts an available channel (by double-clicking it in the Tuner's channel list or using Start in the File menu), the Tuner subscribes to the channel, which is then downloaded to the user's workstation.

backchannel

A Castanet feature whereby data can be fed back from the channel to the Transmitter and processed by a channel plug-in on the Transmitter.

Bongo

A Java interface builder that can be used to build a graphical user interface for a channel developed for Castanet. This Marimba product is now publicly available; see [FreeBongo](#).

brand (a Tuner)

To modify the default Tuner user interface (Channel Manager) by changing or adding custom colors, buttons, text strings, or icons.

CA

See [certificate authority](#).

CAR file

Channel archive file; a file in which one or more channels (and information about them, such as channel properties) can be stored in a compressed format, using Channel Copier. Such a file can be used to archive channels with the Tuner when it's packaged using Tuner Packager.

Castanet

Marimba's collection of Java-based applications that automatically distribute and update applications and content (as channels) within a company or across the Internet.

Castanet Gateway

A Web server plug-in that enables the server to filter requests to a Transmitter and serve channels to users.

Castanet Installer

An executable file that an administrator runs as the first step of deploying Castanet. It installs an admin Tuner and a staging Transmitter and populates them with the appropriate Castanet product channels and licenses.

Castanet Inventory

A set of Castanet components that enables inventory data (including the state of desktop, server, and portable computing resources across the organization's network) to be collected and stored in a central database that administrators can access. See [Inventory Manager](#), [Inventory Repository](#), and [Inventory Service](#).

Castanet Proxy

A set of Castanet components that enables a proxy server to be created and administered, to act as an intermediary between Tuners and Transmitters, brokering requests made by Tuners and sending files back to them on behalf of a Transmitter. See [Proxy](#) and [Proxy Administrator](#).

Castanet Subscription

A set of Castanet components that enables channels to be assigned to users or machines through a centrally located subscription plan. See [Subscription Manager](#), [Subscription Service](#), and [Subscription Service configurator extension](#).

certificate

See [security certificate](#).

certificate authority

An agency from which security certificates can be obtained, either directly or through Certificate Manager.

Certificate Manager

A Castanet channel that can be used to obtain security certificates from a certificate authority and to install and manage those certificates.

channel

An application or content that's published on a Transmitter and downloaded by a Tuner to a user's workstation. A channel can be any type of application (optionally accompanied by related data files), a Java applet, or simply one or more files containing HTML or other data.

channel access control

A security feature that determines who can subscribe to channels on a given Transmitter and who can copy channels from that Transmitter (using Channel Copier, for example).

channel archive file

See [CAR file](#).

channel category

Any of a number of named sets into which channels are organized in a Tuner's channel list. For each category, the channel list shows a colored bar containing the category title.

Channel Copier

A Castanet channel that can be used to copy channels (and information about them, such as channel properties) from a Transmitter, CAR file, or channel directory to a Transmitter or CAR file. Using Channel Copier to copy a channel to a Transmitter constitutes publishing the channel.

channel development directory

The directory in which a channel developer stores the channel directories for all the channels he or she is creating.

channel directory

The subdirectory of the Tuner's workspace directory in which the files for a particular channel are stored. This term also refers to the directory from which a channel is published — for example, the directory in which Application Packager stores the files for a packaged channel.

channel folder

A set of channels stored in a directory on a Transmitter, which (unless hidden) appear as a group in the Transmitter's channel list. Channel folders, which can include subfolders, are typically created in Transmitter Administrator and, like an individual channel, can have administrative operations performed on them; they can also be created when channels are published.

channel group

An alternative term for a channel, reflecting that it's a group of one or more (platform-specific or localized) segments.

channel index

A representation of a channel's file structure, including each file's contents along with other information, such as the file's checksum. The Transmitter caches channel indexes for all channels published to it, to optimize its handling of requests for channel updates.

Channel Manager

The channel that provides the user interface to the standard Castanet Tuner; the Tuner's default primary channel.

channel parameter

One of many characteristics of a channel that provide information for use by the channel, usually supplied by the channel developer. The channel publisher can edit or add channel parameters before publishing the channel. See also [channel property](#).

channel plug-in

A channel component that is installed on a Transmitter and processes data fed back from the channel to the Transmitter. For example, it logs the data or uses it to customize the update data returned by the Transmitter to the Tuner.

channel profile

Information that a channel can permanently store in a file in its channel directory and that includes information such as user preferences. A channel plug-in can use profile data to personalize channel files.

channel property

One of many characteristics of a channel that provide information about the channel, such as who created or published it, what its URL is, when it was last updated, and when the next update is scheduled. Through the Tuner, a user can view channel properties and set some of them; additional channel properties can be set by an administrator or a channel publisher. See also [channel parameter](#), [Tuner property](#), and [Transmitter property](#).

channel segment

See [segment \(of a channel\)](#).

channel-signing certificate

A security certificate, indicating who published a particular channel, that's installed in the Tuner from which the channel is being published and is used to digitally sign the channel when it's published.

channel update

The synchronization of a Tuner's subscribed channel with new channel data from the Transmitter, made by the Tuner either automatically according to an update schedule or specifically at the user's request.

channel URL

A channel's uniform resource locator, which is assigned when the channel is published and provides a unique identifier for that channel on the Transmitter. By specifying the channel URL, a user can subscribe to the channel.

checkpoint restart

A Castanet feature that enables the downloading of a channel (or channel update) to continue seamlessly when the Tuner restarts after an interruption, as might be caused by a power outage or the loss of a network connection.

client authentication

The process of verifying the identity of a Tuner or a user to a Transmitter (or other server), as a way of controlling access to the Transmitter or the channels on it.

client certificate

A security certificate that a user might need to install in order to run a Tuner. The user's Tuner presents this certificate to a secure Transmitter (or other server) to authenticate the user.

collection

In Subscription Manager, a dynamic machine group defined by an SQL query of an inventory database. With collections, users can form subscription targets from the results of inventory queries.

command line

An interface provided by most Castanet products that enables commands to be entered, either at a command prompt or in a script or batch file; useful for automating the entry of complex commands.

configuration file

See [Tuner configuration file](#).

configurator extension

A Transmitter extension that behaves like a channel plug-in but applies to all segments of a particular channel; sometimes called a channel group-wide plug-in.

console channel

See [console window](#).

console window

A window that can be opened from the Tuner for monitoring the activity of a channel or plug-in. Right-clicking a channel name and choosing "Start console channel" from the menu that appears brings up that channel's console window.

Custom Application Packager

An Application Packager component that enables any application to be packaged as a channel.

custom channel

A channel other than a Castanet product channel; usually one developed within the user's company and specific to its needs.

custom scanner channel

A channel that an administrator can create and configure the Inventory Scanner to use, to enable additional types of inventory data to be collected.

customize (a Tuner)

To personalize a Tuner for an organization; part of the process that an administrator follows when packaging the Tuner to be deployed. Tuner customization must at least specify which Transmitter should serve as the source of Tuner updates; it can also include archiving channels with the Tuner, branding the Tuner, or changing its primary channel. See also [production Tuner](#).

decryption

The reverse of encryption, deciphering the encoding.

delete (a channel)

To cause a channel's name to no longer appear in the Tuner's channel list, usually deleting all the channel's files from the local workstation. Depending on the channel, files created by the channel might not be deleted.

deploy (Castanet)

To set up Castanet (or a component of Castanet) throughout an entire organization, or at least a sizable group. This term also applies to the distribution of later updates, such as a Tuner update.

disk cache

The area in which the Transmitter stores compressed files.

EasyInstall

A Castanet technology (in the form of an application and a set of accessory files) that enables a developer to create an environment in which users can easily install a Tuner from a Web browser on a Windows system.

easy-install Tuner installation

A Windows-only type of Tuner installation in which the user sees only a progress bar, and (if present) the optional startup screen and license text. The user cannot set any installation options (such as the installation directory).

encryption

A type of data encoding that can be enabled on a Transmitter and applied to communications to and from the Transmitter — that is, to the transmission of data published to it or downloaded from it. Encryption in Castanet provides security for data transmission and follows the SSL protocol.

endpoint

The object of a service such as subscription or inventory. In Castanet subscription management, this term is short for [endpoint Tuner](#); in Castanet inventory management, it refers to a machine from which inventory data will be collected.

endpoint Tuner

An end user's Tuner that is participating in subscription management or inventory data collection.

enterprise Tuner

An alternative term for [production Tuner](#).

extension

See [Transmitter extension](#).

File Packager

An Application Packager component that enables a collection of files (for example, spreadsheets, HTML files, or templates) to be packaged as a channel.

folder

See [channel folder](#).

FreeBongo

A freeware Java interface builder that can be used to build a graphical user interface for a channel developed for Castanet.

garbage collection

The removal of old files, such as on a Tuner or Transmitter when channels are deleted (or updated to a version that no longer uses those files). This term is also used to describe the reclamation of memory in the Java virtual machine.

gateway

A Web server plug-in that enables the server to filter requests to a Transmitter and serve channels to users (making the server look like a Transmitter to them). See also [Castanet Gateway](#).

headless Tuner

A Tuner whose primary channel has been set to a channel that has no user interface — typically a server channel, such as a Transmitter — or to no channel at all. A headless Tuner is administered remotely and is usually set up to run as a background process that starts automatically when the user's workstation is restarted.

hidden channel

A channel that has been published to a Transmitter but doesn't appear in the Transmitter's channel list when viewed from the Tuner (using the Browse button). To subscribe to a hidden channel, users must know the channel URL.

host

A computer or software entity that serves as the platform from which other software is accessed (and which is then said to "host" that software). In Castanet, for example, a Transmitter hosts the channels published to it, and is hosted by the computer on which it's been installed.

HTML index file

A file containing the HTML for a Transmitter's home page on the Web. By default, the Transmitter creates a page that lists all of the channels published to it except hidden channels.

HTTPS

A secure version of the Hypertext Transfer Protocol (implemented using SSL), which must be used to connect to a secure Transmitter. The Transmitter's URL will begin with "https://".

index cache

The area in which the Transmitter stores channel indexes for current and previous versions of all channels published to it, to optimize its handling of requests for channel updates.

installer

One of a number of programs that set up components of Castanet on a workstation. When a packaged channel is started for the first time, it runs an installer that installs the application or content comprising that channel. See also [Application Installer](#), [Castanet Installer](#), [License Installer](#), and [Tuner installer](#).

instance

A specific case of something abstract. In Castanet, for example, “Netscape Communicator” is an instance of the `system.application` type of inventory data.

introductory channel

A channel that can be specified for a Tuner (when the Tuner is packaged, for example) and that will run only once, the first time the Tuner starts.

Inventory

See [Castanet Inventory](#).

inventory database

A central database in which the Inventory Service channel stores system information and which an administrator can query and view through Inventory Manager (or Subscription Manager, if it’s been set up to use the same database).

Inventory Manager

A Castanet channel that enables an administrator to schedule the collection of inventory data (including the state of desktop, server, and portable computing resources across the organization’s network) and to otherwise administer the inventory process.

Inventory Repository

A plug-in for the Inventory Service channel (implemented as a configurator extension on a Transmitter) that gets system information from Inventory Service and transfers it to the inventory database.

Inventory Scanner

A component of Castanet Inventory that’s called by the Inventory Service channel to scan for inventory data on the machine on which Inventory Service is running. See also [custom scanner channel](#).

Inventory Service

A service channel that runs on a Tuner to periodically collect system information for storage in a central inventory database, from which an administrator can access it using Inventory Manager. Inventory Service scans for inventory data (by calling the Inventory Scanner) and passes that data to the Inventory Repository.

Java Packager

An Application Packager component that may be used to package a Java application as a channel. Although not required for Java applications, packaging makes it easier to publish them and includes setting options such as using a different Java virtual machine (JVM).

kernel

See [Tuner kernel](#).

kernel update

See [Tuner update](#).

license

See [product license](#). (This term can also refer to an agreement drawn up with Marimba regarding customization or redistribution privileges.)

license file

A file containing a product license. (Tuner Packager also uses this term to refer to the file displayed during Tuner installation, immediately after the “welcome” screen, that normally contains Marimba’s standard license agreement.)

License Installer

A Castanet channel that’s used to obtain or install licenses for Castanet products. An administrator can package product licenses along with channels when creating a Tuner installer, but if not the user can install the product licenses directly with License Installer.

listener port

The port that a server channel (such as a Transmitter or a proxy server) uses to handle channel subscription and update requests from Tuners, and that also serves HTTP requests from browsers.

machines flat file

A file from which Subscription Manager (in its Standalone mode) obtains information about machines participating in subscription management. It consists of a list of computers and the groups that they’re members of.

master Transmitter

The Transmitter whose channels a repeater or mirror Transmitter replicates.

mirror

To replicate channels from a master Transmitter to another Transmitter for the purpose of balancing the Tuner request load; see [mirror Transmitter](#).

mirror Transmitter

A Transmitter that replicates channels from a master Transmitter for the purpose of balancing the Tuner request load, but that (unlike a repeater) doesn’t have Tuner requests redirected to it from the master Transmitter. Users’ Tuners subscribe to channels directly on the mirror Transmitter.

multicast

A Tuner or Transmitter feature that enables other channels to detect which Tuners and Transmitters are available on the network. For example, Tuner Administrator can be used to discover those Tuners that have multicast turned on.

normal proxy

A proxy configuration that enables Tuners inside a firewall to access Transmitters that are outside the firewall. See also [reverse proxy](#).

notification

A message, in the form of an integer, through which one channel (the producer) communicates with one or more other channels (the observers).

observer (channel)

A channel that receives notifications from one or more producer channels.

package (a channel)

To prepare some kinds of applications and content for publishing as a channel, as required by the Transmitter. Java application or applet channels and HTML content don't require packaging before they can be published. See also [Application Packager](#) and [package \(a Tuner\)](#).

package (a Tuner)

To create a Tuner installer program, using Tuner Packager.

Package Editor

A component of Application Packager that enables channels created with Packager for Shrinkwrap Windows Applications, Custom Application Packager, or File Packager to be reviewed and edited before being published.

packager

Any of several Castanet components for preparing applications and content for publishing as a channel. See [Application Packager](#) and [Tuner Packager](#).

Packager for Shrinkwrap Windows Applications

An Application Packager component that enables any commercial Win32 software application to be packaged as a channel.

Packager for Visual Basic Applications

An Application Packager component that enables a Visual Basic application to be packaged as a channel.

parameters.txt

A property file that contains channel parameters and is located in the channel directory for that channel.

plug-in

In general, an accessory software program that's added into an existing application to extend its capabilities; in Castanet, software that's added into the Transmitter, as either a [channel plug-in](#) or a [Transmitter extension](#).

plug-in log

A file in which a Transmitter records all errors that occur during the execution of channel plug-ins on that Transmitter.

prefs.txt

A property file in the Tuner's workspace directory in which Tuner properties can be set when the Tuner is installed, or in some cases after installation.

presentation

A scripted graphical user interface that's built with an interface builder like Free Bongo (and can be distributed as a Castanet channel).

primary channel

The channel that starts when the Tuner kernel starts and that typically provides a graphical user interface; the Channel Manager channel by default (providing the standard Tuner interface). Tuner customization can include setting the primary channel to a different channel — that is, to a channel created within the organization or to another Castanet channel, such as a Transmitter.

producer (channel)

A channel that communicates with one or more observer channels by sending them notifications.

product key

A three-part identifier, usually sent to the Castanet administrator by e-mail, that the administrator must supply to Castanet Installer in order to install the product channels purchased from Marimba. Product keys consist of a case-sensitive user name and password followed by a product ID.

product license

For most Castanet product channels, an authorization that's required in order for the channel to be used. It specifies the capabilities to provide to the user and the length of time the features will be enabled.

production server

The computer that hosts the production Transmitter.

production Transmitter

A Transmitter to which an administrator publishes channels after testing them on a staging Transmitter, and from which channels (and channel updates) are downloaded by users' Tuners. The administrator sets up the production Transmitter (typically on a Tuner other than the admin Tuner) to host channels created within the organization and also Tuner updates for the organization.

production Tuner

A version of the Castanet Tuner that an administrator packages for distribution throughout an organization; it's customized to update from the organization's Transmitter rather than from Marimba's Transmitter. (Some Marimba documentation currently uses this term to mean the Tuner that is on the production server and hosts the production Transmitter; this usage will be corrected.)

project

In Application Packager, a channel directory containing the files for a packaged channel and from which that channel can be published. Each packager lists the projects that were created or imported with it; projects can be selected from this list for editing or publishing.

properties.txt

A property file in any of several locations applying to channels, Tuners, or Transmitters (for example, in a channel directory, the Tuner's workspace directory, or the Transmitter's workspace directory).

property

See [channel property](#), [Tuner property](#), or [Transmitter property](#).

property file

A file containing key-value pairs that define characteristics of a channel, Tuner, or Transmitter, depending on the name of the file and where it's stored. Channel properties and parameters, Tuner properties, and Transmitter properties are stored in property files.

proxy

In general, a type of server that acts as an intermediary between clients and servers; in Castanet, a type of server that acts as an intermediary between Tuners and Transmitters, brokering requests made by Tuners and sending files back to them on behalf of a Transmitter. See also [proxy installer](#), [normal proxy](#), and [reverse proxy](#).

Proxy

A Castanet channel that enters into installing a proxy server. A proxy and its Tuner are installed with a Tuner installer in which the Tuner has been packaged to have the Proxy channel as its primary channel. See also [Castanet Proxy](#).

Proxy Administrator

A Castanet channel with a command-line interface that an administrator can use to configure and administer a proxy server.

proxy installer

A Tuner installer that installs a proxy and its Tuner (which has been packaged to have the Proxy channel as its primary channel).

proxy server

See [proxy](#).

publish (a channel)

To copy a channel (or channel update) to a Transmitter in a way that enables it to be downloaded by a Tuner. This operation (which includes copying information about the channel, such as channel properties) can be performed with Channel Copier or, as an alternative that users of earlier versions of Castanet might favor, with Publisher.

publish access control

A security feature that determines who can publish channels or (under separate control) channel updates to a given Transmitter.

Publisher

A Castanet channel that can be used to publish channels to a Transmitter, as an alternative to Channel Copier; sometimes favored by those who have experience with earlier versions of Castanet.

PublishNow SDK

A software development kit that enables the Castanet publish protocol to be embedded in an application, enabling it to publish Castanet channels.

redirection

See [repeater](#).

repeater

A Transmitter on which channels from a master Transmitter have been replicated, and to which requests made by Tuners can be redirected from the master Transmitter.

repeater policy extension

A Transmitter extension on a master Transmitter that defines the policy for redirecting Tuner requests from the Transmitter to a repeater.

replication

The transfer of channels from a master Transmitter to a repeater or mirror Transmitter. This is just a duplication of the channels and not the same operation performed by Channel Copier, which publishes channels when it copies them to a Transmitter.

Reporter

See [Transmitter Reporter](#).

request log

A file in which a Transmitter records all requests for channel subscription or for its channel list page, noting whether the client making each request is a Tuner or a repeater or mirror Transmitter.

reverse proxy

A proxy configuration whereby Tuners outside a firewall can access a Transmitter that's inside the firewall (the reverse of the proxy configuration that enables Tuners inside a firewall to access Transmitters that are outside the firewall).

roll (a log file)

To clear a log file before filling it with new data.

root CA

The certificate authority (CA) that issued a particular client certificate and that must match one of the CAs that the Transmitter accepts (as listed in Certificate Manager). The root CA for a certificate is designated by that certificate's root certificate.

root certificate

A security certificate, installed on a Tuner, that identifies a certificate authority (CA) that can be trusted on that Tuner and the types of certificate to accept from that CA. Other security certificates, such as channel-signing certificates, have root certificates that designate their root CA.

running (channel)

A channel status indicating that the channel is currently running on the user's workstation.

scan (for inventory data)

To examine a machine participating in inventory data collection for information about hardware, operating systems, installed applications, and channels.

scanner

See [Inventory Scanner](#).

secure reverse proxy

A reverse proxy that acts as the secure server to the client, which can be a client Tuner or even another reverse proxy.

Secure Sockets Layer

See [SSL](#).

secure Transmitter

A Transmitter on which encryption (following the SSL protocol) has been enabled on all communications to and from that Transmitter.

security certificate

A mechanism for authenticating a Tuner user ([client certificate](#)), for ensuring that a channel being subscribed to comes from the proper source ([channel-signing certificate](#)), or for encrypting communications with a Transmitter ([SSL certificate](#)). See also [root certificate](#).

segment (of a channel)

A platform-specific or localized version of a channel. Every channel is made up of one or more segments; the Transmitter determines which one to send based on feedback it received from the Tuner.

segment ID

A string that identifies the specific platform and locale for which a channel segment is intended — for example, `Windows NT,x86/en_US`.

semisilent installation

A type of installation (of the Tuner or of a packaged channel) that provides user feedback in the form of progress bars but doesn't offer any installation options. For example, easy-install Tuner installation is semisilent.

server channel

A channel that delivers published channels (or channel updates) to Tuners or UpdateNow clients upon request, or to repeaters or mirror Transmitters. It can be a Transmitter, a proxy server, or a custom server channel.

service channel

A channel that starts automatically and runs with no interface, sending and receiving information in the background.

signed channel

A channel (or channel update) that has been digitally signed by means of a channel-signing certificate, guaranteeing subscribers that it comes from a reliable source and is not an unauthorized, possibly corrupted, copy. When the user subscribes to a signed channel, a dialog box appears that requests permission to download the channel.

silent installation

A type of installation (of the Tuner or of a packaged channel) that provides no user feedback and offers no installation options.

SSL

Secure Sockets Layer, the protocol behind the encryption of communications between a Tuner and a Transmitter (in both directions).

SSL certificate

A security certificate that must be installed on a Tuner running a Transmitter in order for encryption (following the SSL protocol) to be enabled on communications to and from that Transmitter.

staging server

The computer that hosts the staging Transmitter.

staging Transmitter

A Transmitter set up by an administrator for testing published channels before copying them to a production Transmitter. Castanet Installer installs (on the admin Tuner) a Transmitter that hosts the Castanet product channels and can serve as a staging Transmitter.

subscribe (to a channel)

To request a channel from a Transmitter via a Tuner, causing the channel's files (and subsequent channel updates) to be downloaded to the workstation on which the Tuner is located.

subscribed (channel)

A channel status indicating that the user is subscribed to the channel but the channel isn't currently running. **Subscription**

See [Castanet Subscription](#).

Subscription Manager

A Castanet channel that an administrator runs to assign channels to users, machines, or groups of users or machines, and to otherwise manage the channel subscription capabilities. See also [Subscription Service](#).

subscription plan

For all Tuners participating in subscription management, the assignment of channels to users, machines, or group of users or machines in any of a variety of subscription states. An administrator uses Subscription Manager to create a subscription plan and either publish it to the subscription Transmitter or save it to a directory from which the subscription Transmitter will retrieve it. See also [Subscription Service](#).

subscription plug-in

The Subscription Service configurator extension for the Directory Enabled mode of subscription management.

subscription policy

For each Tuner participating in subscription management, the assignment of channels in any of a variety of subscription states. See also [subscription plan](#).

Subscription Service

A service channel published on the subscription Transmitter and subscribed to by each Tuner participating in subscription management, to periodically request subscription policy information from the subscription Transmitter and implement it as appropriate for that Tuner.

Subscription Service configurator extension

A Transmitter extension that an administrator publishes to a Transmitter, turning it into a subscription Transmitter. When each Tuner's Subscription Service channel is updated, this extension sends that Tuner its subscription policy.

subscription state

A state attributed to a channel being assigned to a Tuner by an administrator using Subscription Manager — for example, subscribe or delete.

subscription target

A user, machine, or group of users or machines to which an administrator can assign a channel with Subscription Manager.

subscription Transmitter

The Transmitter that delivers subscription policies to Tuners participating in subscription management. When each Tuner's Subscription Service channel is updated, this Transmitter (through the Subscription Service configurator extension that was published to it) sends that Tuner its subscription policy.

target

See [subscription target](#).

test certificate

A free security certificate, created by Marimba and VeriSign, that provides channel signing and SSL certification for two weeks, for those who want a trial run before purchasing real certificates.

Transmitter

The server component of Castanet, in that channels (and channel updates) are published to a Transmitter and downloaded from there to its clients (either Tuners or other Transmitters running as repeaters or mirror Transmitters). The Transmitter is itself a channel that runs on the admin Tuner or some other Tuner under the control of an administrator.

Transmitter Administrator

A Castanet channel that an administrator uses to configure one or more Transmitters as part of the process of deploying Castanet, as well as for later administration.

Transmitter extension

A software module, added as a plug-in into a Transmitter, that modifies the default behavior of the Transmitter. The three types of Transmitter extension are [authenticator extension](#), [configurator extension](#), and [repeater policy extension](#).

Transmitter property

One of many characteristics of a Transmitter, such as the location of its workspace directory, its port number, and its title. Transmitter properties are set when the Transmitter is configured with Transmitter Administrator.

Transmitter Reporter

A Castanet channel that reads log files written by a Transmitter, analyzes the recorded transactions, and generates reports on bandwidth, load, access, published content, and more.

trusted channel

A channel that has been given permission to read or write data anywhere on the user's system and to call any code, including operating system code. Channels must be signed in order to be designated as trusted.

trusted host

A computer that a Transmitter recognizes as one that can publish to it.

trusted Transmitter

A Transmitter that a Tuner recognizes as one that can download channels to the user's workstation, or write files anywhere on the local file system, without having to be explicitly granted permission. The Tuner user will not be prompted to grant or deny permission.

Tuner

The client component of Castanet; the application through which users subscribe to channels that have been published on a Transmitter. The Tuner downloads the channel files (or updates to them) from the Transmitter to the user's workstation.

Tuner Administrator

A Castanet channel that enables a single Tuner to be managed remotely, controlling which channels appear on that Tuner or changing its configuration in other ways.

Tuner branding

See [brand \(a Tuner\)](#).

Tuner configuration file

A file in which Tuner property settings that are made when a Tuner is configured (with Tuner Packager) can be saved, so that they can be reused in a subsequent Tuner packaging.

Tuner customization

See [customize \(a Tuner\)](#).

Tuner ID

A unique identification of itself that a Tuner sends to a Transmitter when requesting channels or updates from the Transmitter; sometimes called a cookie.

Tuner installer

A program that an administrator creates using Tuner Packager (or Tuner Packager Lite) and that each user runs to install a Tuner on his or her local workstation; sometimes called a Tuner installation package.

Tuner kernel

The executable file for the Tuner. It provides the Tuner's core functionality — that is, the ability to subscribe, run, update, and perform other functions on channels. See also [primary channel](#).

Tuner Packager

A Castanet channel that an administrator uses to create a Tuner installer program, either for testing on a staging Transmitter or for company-wide distribution.

Tuner Packager Lite

An alternative to Tuner Packager that offers a more limited set of capabilities. For example, it doesn't allow the use of CAR files as a way of adding archived channel to the Tuner being packaged.

Tuner property

One of many characteristics of a Tuner, including the URL of its primary channel, the URL for Tuner updates, and the update schedule for its channels, as well as licenses and proxy details. Tuner properties can be set when the Tuner is configured with Tuner Packager, and some properties can also be set during or after Tuner installation.

Tuner update

An update to the Tuner kernel or to the Tuner's primary channel. Tuner updates are downloaded from a Transmitter specified when the Tuner installer is created; by publishing updated versions of a few special channels to that Transmitter, an administrator can provide Tuner updates on an ongoing basis. See also [Tuner Update channel](#).

Tuner Update channel

The channel (created by Tuner Packager) that contains the files needed to update the kernel of the Tuner being packaged.

Tuner Update Manager

The channel that applies the changes to the Tuner kernel that are contained in the Tuner Update channel.

tunneling (of data)

A proxy's forwarding of encrypted data between a Tuner and a secure Transmitter without being able to examine or cache the data.

unsubscribe (from a channel)

To request, for a channel that has been subscribed to and downloaded, that it no longer be updated on the local workstation. The main files for the channel are deleted from the workstation, but data files created by the channel (such as preferences) are not deleted, and the channel name remains in the Tuner's channel list. See also [delete \(a channel\)](#).

unsubscribed (channel)

A channel status indicating that the user has unsubscribed from the channel, causing its main files to be deleted and its updating to be discontinued.

update schedule

The periodic timing with which updates are automatically delivered to channels that have been subscribed to and downloaded. This schedule is set up either when the channel is published or later at the user's request.

UpdateNow SDK

A software development kit that enables the Castanet client (Tuner) protocol to be embedded in an application, which therefore can efficiently download software and content updates from a network server. Such an application is sometimes referred to as being "Castanet-enabled."

workspace directory

The directory on the user's workstation that is, by default, where the Tuner stores channel files (in subdirectories called channel directories) and that is normally the only place where files accessed by channels can be located. For a Transmitter, this term refers to the directory where the Transmitter stores data and channels; by default it's a subdirectory of the Transmitter's channel directory, but it's typically configured to be a different directory. Similarly, a proxy has a workspace directory where it stores data, including its channel cache.