



Farcast TV

A TV channel created on your mobile phone

Farcast TV allows anyone to start their own television channel from their mobile phone. The TV channel can be embedded into a weblog or website showing video content that has been created on mobile phones from the TV channel owner and his/her friends. Farcast TV connects mobile user generated content to the Internet.



FARCAST - THE NEXT GENERATION CONTENT REPURPOSING PLATFORM

Structure

Farcast TV provides website owners with a few lines of code to incorporate into their website. Video content can be send to the TV channel from any mobile phone that supports MMS. TV channel owners can invite friends to contribute to the TV channel and they can even allow anyone to post into their channel. All videos are handled and queued by the Farcast platform.

Dedicated Farcast TV applications

Dedicated Farcast TV applications are available for selected phones. With a dedicated application it is no longer needed to use the MMS client on your phone. Instead, a movie is shot and with one press of a button it is uploaded and appears on the Farcast television channel.

Step by Step

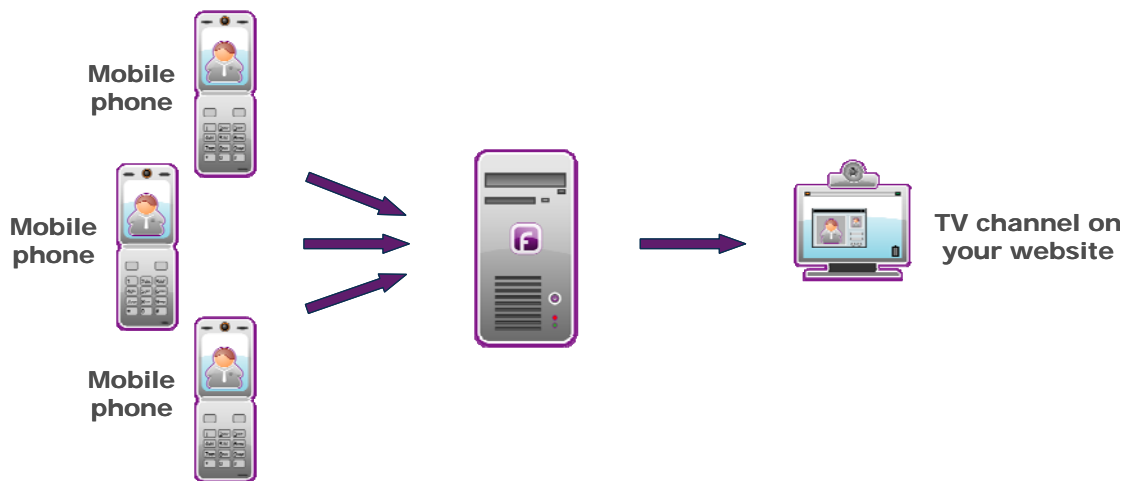
1. Include Farcast TV code into your website
2. Invite friends/anyone to contribute to your TV channel
3. Record movies and send them via MMS or dedicated application
4. Enjoy your own TV channel

Variations

Farcast TV is build on the Farcast platform, a next generation content repurposing platform, supporting customer defined cross-media applications. The Farcast platform transcodes, stores, manages and distributes content in all popular web and mobile formats. The Farcast platform allows for several variations on Farcast TV. Video content can also be uploaded via other means than a mobile phone, e.g. via Instant Messaging, e-mail or pushed from a content database. Uploaded video content can also be published in several ways, e.g. via RSS, SIP or settop box.

Benefits for customers

- Increased production speed of multimedia news
- Enables and supports Citizen Journalism
- Easy to use mobile application; Fast learning curve
- Customization of look-and-feel for mobile application and website
- Flexible platform technology for fast adaptation of application functionality





Farcast of TNO is a next generation content repurposing platform. It supports services that let content owners and users create, share and publish multimedia content whenever and wherever, regardless of format or device. Farcast takes care of the compatibility between the originating and target device. This allows customers of TNO to define multimedia content services that will fit best to the specific wishes of their customers, end-users or employees. TNO implements and hosts the service on the Farcast platform in order for TNO's customer to brand, use and/or sell the service.

Content can be delivered to the Farcast platform in a variety of formats and via several protocols. Farcast will manage, store and distribute the content in the correct format. The Farcast platform incorporates functionality for subscription, security, transcoding, application distribution, user management and a business logic manager for flexible service creation. Farcast, set up as a fully distributed architecture, can also be seamlessly integrated into IMS or SIP-based architectures, generating a new breed of rich media applications which encourage the creation and sharing of multimedia content.

Farcast Platform Specifications

The Farcast platform is set up as a fully distributed architecture in order to handle network and functionality changes gracefully; each component is built as a service that can be started or stopped without service interruption.

Operating systems

The Farcast platform runs on the Java platform and is therefore Operating System independent. Current implementation is on Linux Debian.

Retrieval Formats

Content can be pulled by or pushed to the platform in a number of formats and via several ways:

- Various XML formats including RRS 2.0, Atom 1.0 and NITF
- MMS, SMS
- Email
- Via a web based interface
- Via a mobile application (e.g. Farcast Reporter)
- HTML, WML, XHTML
- Upload via FTP and SCP
- Multipart MIME format

Publish Formats

After repurposing, the content can be made available in a number of formats and via several ways:

- Various XML formats incl RRS 2.0, Atom 1.0, and NewsML
- Mobile application
- XML-RPC to blogsites
- Email
- HTML, WML, XHTML
- WAP Push, SMS, MMS
- (mobile) SIP clients
- Instant Messaging clients

Supported Image Formats

- image/jpeg
- image/png
- image/gif
- image/vnd.wap.wbmp

Other image formats can be optionally supported

Supported Audio Formats

- audio/amr
- audio/mpeg1 (layer 3)
- audio/aac
- audio/pcm (wav)

Other audio formats can be optionally supported

Supported Video Formats

- video/mp4
- video/3gpp
- video/x-flv

Other video formats can be optionally supported

Supported Location Types

Cell-ID
GPS coordinates

Farcast TV

Farcast TV movies can be created with any phone that supports MMS

Other Farcast applications

- Reporter - *from the mobile reporter to the newsdesk*
- NewsFacts - *from content creator to the mobile reader*
- AudioLink - *always access to the latest audio news*
- Podcaster - *podcast from the mobile to the web*
- FeedMe! - *feeds weblogs into your mobile*
- ScreenCast - *narrowcasting for the masses*

More information can be found on www.farcast.nl