

EiffelMedia
0.3.30 color splash

EiffelMedia

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Overview EiffelMedia
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- Features of the library
- Documentation
- Demos
- Community
- Stats
- Roadmap

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Features of the library EiffelMedia
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- Image drawing
- Collision detection
- Audio API
- Input Devices
- 3D Support
- Scene management
- Motion Jpeg video
- Widget Library
- Network API
- Multiplayer Framework
- Other

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Features of Audio API EiffelMedia
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- handle more file formats
- mixing of multiple channels
- applying effects on sound

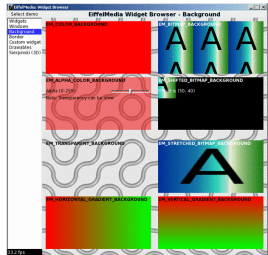


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Features of Widget Library EiffelMedia
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- What is a widget?



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Features of Widget Library EiffelMedia
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- Objects on scene
 - 2D
 - widgets
 - dialogs
 - 3D
 - OpenGL
- Widgets
 - panel, label, button, slider, list, combobox, scrollpanel,...
- Windows
 - window, message dialog, file dialog

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Features of Widget Library

- **Theme options**
 - delegate factories
 - colors
 - fonts

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Network API

Classic Networking: Transport Layer

- **TCP**
 - connection based
 - reliable
 - event based
- **UDP**
 - connection less
 - unreliable
 - classic polling and also
 - event based

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Network API

Classic Networking: Application Layer

- **HTTP 1.0**
 - GET and POST requests
 - also allows to connect to virtual hosts (a HTTP 1.1 feature)
 - used for online highscore system
 - may be used to receive website content

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Multiplayer Framework

Multiplayer Framework: 2PC Events

- Every event must be acknowledged.
- Events will be resent, if remote peers did not acknowledge in time.
- Two cases:
 - success: All peers responded with an ACK in time.
 - timeout: At least one peer did not respond in time. No consensus reached!
- An event will be published only once on the remote peer.
- Slow compared to ‚normal‘ events.

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Input Devices

- Keyboard
- Mouse
- Joystick
- CD-Rom

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Other features

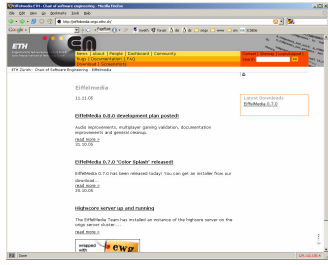
- **Highscore**
 - Local and remote highscore management
- **Resource generator**
 - Generates classes to load resources
- **Settings generator**
 - Generates classes to handle settings
- **Vision2 Widget**
 - Allows drawing with EiffelMedia inside an EiffelVision2 application

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Documentation



- <http://eiffelmedia.origo.ethz.ch>



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Demos



- eouncy
- XAE-Adventure Engine

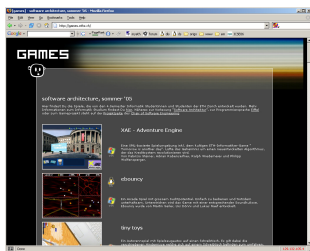
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Community



- <http://games.ethz.ch>



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Community



- Use the forum
 - <http://forum.vis.ethz.ch>
- Use the Mailinglist
 - eiffelmedia@se.inf.ethz.ch
- Send your bugreports
- Write your own tutorials
- Never spend more than one hour on a problem without progressing before asking for help

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Stats



- 350.000 LOC
- 1.500 Messages
- 20 People
- 2 Years

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Roadmap



- EM 0.8.0
 - Documentation
 - Bugfixing
 - Testing
 - Multiplayer Game testing

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