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Elona on HSplet

This is the README file for Elona 1.22 on HSplet Alpha 1.

Introduction

Elona 1.22 on HSplet Alpha 1 fixes several bugs found in previous versions of Elona on HSplet. Like Pre-Alpha 2 and Pre-Alpha 1, this is a snapshot of the current work on the Elona on HSplet project.

What's new?

- Changeset 100257a57d5da34417ed97fae2cc7964754e5e56 fixes a bug in PA2 where arrays indexes are not automatically expanded
- Changeset 6e376def4876dedeed2a1d63d3fb48139fdc75c1 adds the @Out annotation for use with indicating special output processing required by the compiler.
- Changeset fbb075552e983fd8d19027329a2d1eb4434fc12a corrects a bug in the implementation and specification for getstr
- Changeset 427b20ba2a2e8119707f010f35441d472a9a3ee6 moves the UNITY constant's initialization from Operand to Scalar so that it can be used safely in IntArray.
- Changeset 94004203b6e0ae988a3158fdbda1fc1c11952da6 improves the maintainability of the VolatileValue class.
- Changeset e2daced717b1606c9bc3c05f4a04d9732032884d adds real exec() support to HSplet in trusted environments
- Changeset 21999847c04c26042dab2e047ab200e22f4b48df corrects the implementation for gzoom when the source and destination windows are the same (bugs #46 and #53 on BitBucket)
- Changeset 80e0ae3596249bc6ef08729ec825082c6193a6cd fixed a regression introduced by refactoring which attempted to increase maintainability ([#122518](#))
- Added elona_j.exe and elona_ju.exe for easier launching on Windows
- Other fixes? :)
- ElonaPatch.jar is included. This contains parts of the initial work for re-implementing Elona as a regular Java application. Use the `--startClass=ElonaExt` option to opt-in to run the Java re-implementation patches.
- The hsplet.exe wrapper (same binary as elona.exe) will launch the HSplet compiler GUI.

Bugs / RFEs / Unimplemented Features

Expect Alpha 1 to contain bugs and unimplemented features. Many of these unimplemented features (for example, DirectSound, DirectMusic, auto numlock support, water effects, etc.) are already known. Alpha 1 includes a configuration file (config.txt) which permits Elona to run with a sane set of default options that avoid unimplemented features.

There are no differences in config.txt from PA2. Saves which are made with PA2 or saves that are compatible with 1.22 should be compatible with PA2.

Contributing

Feel free to contribute by updating the wiki at <http://elonadev.myxwiki.org/> to document unimplemented features.

Discussions

Discussion should be directed to the [Continuation Project topic](#) in the Elona forum. Bugs can be posted to the Redmine installation at [HostedRedmine](#).

Filing Issues

There are several categories for issues:

Type	Description	Project name	URL
Elona-specific	These issues can be reproduced in the original builds of Elona that do not run on HSPLet. Examples include the well-known Blackjack bug in Elona 1.22, eating Maintains Luck items resulting in a crash, etc.	elona	https://www.hostedredmine.com/projects/hsp/et/issues/new
Elona on HSPLet	These new issues created by running Elona on HSPLet that cannot be reproduced in the original builds of Elona. You are most likely to interact with this project. If you aren't sure where a particular bug belongs, it probably belongs here.	hsplet-elona	https://www.hostedredmine.com/projects/hsp/et-elona/issues/new
HSPLet	These are issues within the HSPLet engine itself. Typically, these are bugs promoted from the Elona on HSPLet project, though this may also include global feature requests from other HSPLet users.	hsplet	https://www.hostedredmine.com/projects/hsp/et/issues/new

Issues start out in a triage area for confirmation before they are promoted to bugs.

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The following libraries may be included in HSPLet. Their license text is included below.

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```
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```

OW2 Consortium ASM

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*****
```

```
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```

```
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```

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```

```
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*/
```

JLayer 1.0

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*-----  
*/
```

Javolution

```
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```

Henrik Bengtsson's Java printf

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XML Pull Parser 3rd Edition

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QuickStart

Download <http://noaneko.squares.net/dev/elona122.zip>.

Extract elona122.zip.

Extract elona122.j-a1.zip to the same directory as elona122.zip.

Double click on release.cmd

After scene2.hsp has been populated, you can also double-click on elona_j.exe to run.

What's this?

Elona on HSplet brings Elona to the Java platform through the HSplet framework.

This package only includes the code to run Elona 1.22 on HSplet and its configuration data.

Elona on HSplet does not come with the resources required to play. You must extract the contents of this package into a directory containing Elona 1.22.

You can obtain this package from Noa's website:

<http://noaneko.squares.net/dev/elona122.zip>

Platform Requirements

You need Java 1.7.0 or later to run Elona on HSPlanet. You can download Java here:

<http://java.com/en/>

Elona on HSPlanet has been tested on Windows. Linux support is incomplete, and Solaris, BSD, and OS X have not been tested. You are encouraged to test other platforms to report success and failure.

Running Elona on HSPlanet

Extract both the release archive and elona122.zip to the same directory. Run release.cmd to start Elona on HSPlanet.

As with any other software, you should keep a backup copy of all your files before running Elona on HSPlanet. We cannot be held responsible for any damages to you or your property caused by anything you do with this software. Be sure to back up your saved games before running Elona on HSPlanet.

Acknowledgements

Thanks for all of those who have supported this effort.

Special thanks to Noa, Kejardon, Doorknob, Daedric, Fellstar, Chrusable, sxu, JammyHammy; thanks to BitBucket / Atlassian for hosting this project, and the XWiki team for hosting the wiki for this project.

Be sure to thank our early testers for volunteering their time and providing their input.

What's Next?

- Testing on more platforms (Mac, Linux, Solaris, *BSD).
- Elona+, ELM, OreHack, Elona 1.16xmas on HSPlanet
- Bypassing and rewriting Elona's original code entirely ;)

Known Issues

- Certain path information (tmp directory) is incorrect when run on Linux
- Graphics rendering performance is slow (though better than Elona under Wine on Linux)
- DirectSound/DirectMusic is unimplemented
- DirectInput (gamepad/joystick) is unimplemented
- Network access (chat and vote) is unimplemented
- Water effect is unimplemented
- Auto numlock is not supported
- Shadows (elona.dll:grotate) are still not quite right