

st_launcher

Tonel-based Smalltalk shell

scripts

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
"
Hello world smalltalk script
"
Class {
  #name : 'StLauncher_Hello',
  #superclass : 'AbstractProgram',
  #category : 'st_launcher-Scripts'
}

{ #category : 'main' }
StLauncher_Hello >> main [

    ^'hello world'

]
```

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Motivation

- **No more bash scripts**
- https://github.com/GsDevKit/GsDevKit_home
 - 50+ bash scripts
 - reimplement using Smalltalk scripts
- `topaz solo` introduced in GemStone 3.5.0
 - No more excuses not to get started

GemStone Solo sessions

- `#!/usr/bin/env topaz`
 - ``topaz`` in `$PATH`
 - `$GEMSTONE` env var defined
 - ``topaz`` runs against extent file associated with `$GEMSTONE`

```
#!/usr/bin/env topaz
set u DataCurator p swordfish
set solologin on
login
run
  GsFile stdout nextPutAll: 'hello world'; lf
%
```

Pharo scale

<https://github.com/guillep/Scale>

- `#!/usr/bin/env scale`
 - ``scale`` in `$PATH`
 - Scripts run using the image associated with ``scale`` executable

```
#!/usr/bin/env scale
```

```
system stdout nextPutAll: 'hello world'; lf.
```

st_launcher scripts

- `#!/usr/local/bin/smalltalk/gemstone/st_launcher`

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
"
Hello world smalltalk script
"
Class {
  #name : 'StLauncher_Hello',
  #superclass : 'AbstractProgram',
  #category : 'st_launcher-Scripts'
}
{ #category : 'main' }
StLauncher_Hello >> main [
  self stdout nextPutAll: 'hello world'; lf
]
```

“Image Names” for flexibility

- Scripts run in Pharo or Gemstone images defined by a unique “image name”
- Dialect, vm, and image information is registered by “image name”

```
hello.st [ [ <image-name> ] [-H] [-D] [-V] [ <st-vm-args> ] -- ] <script options>
```

st_launcher

image name registry

~/.config/st_launcher/st_launcher.ston

```
StLauncherStructureProperties {
  #defaultImageName : 'gemstone',
  #homePath : '$ST_LAUNCHER_HOME',
  #imageMap : {
    'gemstone'      : '$ST_LAUNCHER_HOME/images/gemstone',
    'pharo'         : '$GS_HOME/shared/repos/st_launcher/home/images/pharo',
    'pharo-dev'     : '$ST_LAUNCHER_HOME/images/pharo',
    'pharo-dev-ui'  : '$ST_LAUNCHER_HOME/images/pharo',
    'pharo-ui'      : '$ST_LAUNCHER_HOME/images/pharo',
    'rowan_dev_350' : '$GS_HOME/server/stones/rowan_dev_350',
    'st_launcher_350' : '$GS_HOME/server/stones/st_launcher_350'
  },
  #name : 'st_launcher_home',
  #productMap : {
    'gemstone' : {
      '3.5.0' : '$ST_LAUNCHER_HOME/platforms/gemstone/products/GemStone64Bit3.5.0',
    },
    'pharo' : {
      '70-64' : '$ST_LAUNCHER_HOME/platforms/pharo/70-64'
    }
  }
}
```

st_launcher

image name registry

~/.config/st_launcher/st_launcher.ston

```
StLauncherStructureProperties {
  #defaultImageName : 'gemstone',
  #homePath : '$ST_LAUNCHER_HOME',
  #imageMap : {
    'gemstone'      : '$ST_LAUNCHER_HOME/images/gemstone',
    'pharo'         : '$GS_HOME/shared/repos/st_launcher/home/images/pharo',
    'pharo-dev'     : '$ST_LAUNCHER_HOME/images/pharo',
    'pharo-dev-ui'  : '$ST_LAUNCHER_HOME/images/pharo',
    'pharo-ui'      : '$ST_LAUNCHER_HOME/images/pharo',
    'rowan_dev_350' : '$GS_HOME/server/stones/rowan_dev_350',
    'st_launcher_350' : '$GS_HOME/server/stones/st_launcher_350'
  },
  #name : 'st_launcher_home',
  #productMap : {
    'gemstone' : {
      '3.5.0' : '$ST_LAUNCHER_HOME/platforms/gemstone/products/GemStone64Bit3.5.0',
    },
    'pharo' : {
      '70-64' : '$ST_LAUNCHER_HOME/platforms/pharo/70-64'
    }
  }
}
```


st_launcher image properties (gemstone solo)

```
StLauncherGemStoneSoloImageProperties {  
  #aliasProperties : {  
    'gemstone_DataCurator' : { 'topazini' : '.topazini_DataCurator' }  
  },  
  #binPath : 'bin',  
  #comment : 'default GemStone image',  
  #gemstoneVersion : '3.5.0',  
  #imagePath : '$ST_LAUNCHER_HOME/images/gemstone',  
  #logsPath : 'logs',  
  #name : 'gemstone',  
  #productPath : '$ST_LAUNCHER_HOME/platforms/gemstone/products/GemStone64Bit3.5.0',  
  #snapshotsPath : 'snapshots',  
  #soloSnapshot : '$ST_LAUNCHER_HOME/images/gemstone/snapshots/extent0.gemstone.dbf',  
  #structureName : 'st_launcher_home'  
}
```

st_launcher image properties (gemstone)

```
StLauncherGemStoneImageProperties {  
  #aliasProperties : {  
    'st_launcher_350' : { 'cacheName' : 'Zoro' }  
  },  
  #backupsPath : 'backups',  
  #binPath : 'bin',  
  #comment : 'development image for st_launcher',  
  #extentsPath : 'extents',  
  #gemstoneVersion : '3.5.0',  
  #imagePath : '$GS_HOME/server/stones/st_launcher_350',  
  #logsPath : 'logs',  
  #name : 'st_launcher_350',  
  #productPath : '$ST_LAUNCHER_HOME/platforms/gemstone/products/GemStone64Bit3.5.0',  
  #snapshotsPath : 'snapshots',  
  #statsPath : 'stats',  
  #structureName : 'st_launcher_home',  
  #tranlogsPath : 'tranlogs'  
}
```

st_launcher image properties (pharo)

```
StLauncherPharoImageProperties {  
  #aliasProperties : {  
    'pharo-ui' : { 'headless' : false },  
    'pharo-dev' : { 'pharoImageName' : 'pharo.dev.image' },  
    'pharo-dev-ui' : {  
      'headless' : false,  
      'pharoImageName' : 'pharo.dev.image' }  
    },  
  #comment : 'default pharo image',  
  #imagePath : '$ST_LAUNCHER_HOME/images/pharo',  
  #pharoVersion : '70-64',  
  #name : 'pharo',  
  #productPath : '$ST_LAUNCHER_HOME/platforms/pharo/70-64',  
  #structureName : 'st_launcher_home'  
}
```

st_launcher image properties aliases

```
StLauncherPharoImageProperties {  
  #aliasProperties : {  
    'pharo-ui' : { 'headless' : false },  
    'pharo-dev' : { 'pharoImageName' : 'pharo.dev.image' },  
    'pharo-dev-ui' : {  
      'headless' : false,  
      'pharoImageName' : 'pharo.dev.image' }  
  },  
  #comment : 'default pharo image',  
  #imagePath : '$ST_LAUNCHER_HOME/images/pharo',  
  #pharoVersion : '70-64',  
  #name : 'pharo',  
  #productPath : '$ST_LAUNCHER_HOME/platforms/pharo/70-64',  
  #structureName : 'st_launcher_home'  
}
```

Advantages of class-based scripts

- Structure for organizing script functionality (superior to workspace)
- Inherited behavior for
 - options and argument handling
 - Help/usage generation
- First class object in image
 - Create and maintain script using traditional browser and tools
 - Senders/implementors

st_launcher help text

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
"
Hello world smalltalk script
"
Class {
  #name : 'StLauncher_Hello',
  #superclass : 'AbstractProgram',
  #category : 'st_launcher-Scripts'
}
{ #category : 'main' }
StLauncher_Hello >> main [
  self stdout nextPutAll: 'hello world'; lf
]
```

```
NAME
hello.st - Hello world smalltalk script...

SYNOPSIS
hello.st [ [ <image-name> ] [-H] [-D] [-V] [ <st-vm-args> ] -- ] <script options>
-----
hello.st [ -h | --help ] [ --imageProperties ]

DESCRIPTION
Hello world smalltalk script

--help
    display this message

--imageProperties
    return (on objOut) the image properties object for the image running
    this script

<image-name>
    name of the st_launcher image to be used to run the script. If
    no <image-name> is specified the default image will be used.

-H
    help. st_launcher script interpreter help message

-D
    debug. bring up debugger if an error occurs while running script

-V
    verbose. display more detail about script interpreter execution

<st-vm-args>
    smalltalk vm specific arguments passed directly to vm when launching script

EXAMPLES
hello.st -h
hello.st --help
hello.st --imageProperties

hello.st pharo -- --imageProperties

hello.st
```

st_launcher

Usage

Options Declaration

Script Body

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
"
bug sript utility template

--install
    Install any additional code that may be needed to reproduce bug.

--clean
    Remove any persistent objects used to reproduce bug.

--create
    Create the initial conditions needed to reproduce bug.

--boom
    Trigger the bug.
"
Class {
    #name : 'WS_BugTemplate',
    #superclass : 'AbstractProgram',
    #category : 'st_launcher-Workspaces'
}
{ #category : 'accessing' }
WS_BugTemplate >> boom [
    "recreate bug here"
]
{ #category : 'accessing' }
WS_BugTemplate >> clean [
    "clean up indexes here"
]
{ #category : 'accessing' }
WS_BugTemplate >> create [
    "set up for recrating the bug here"
]
{ #category : 'accessing' }
WS_BugTemplate >> install [
    "install supporting code here"
]
{ #category : 'main' }
WS_BugTemplate >> main [
    "return status objects ... if needed"
]
{ #category : 'options' }
WS_BugTemplate >> scriptMethodOptions [
    ^ super scriptMethodOptions,
    {
        #'(boom' nil #'none' #boom).
        #'(clean' nil #'none' #clean).
        #'(create' nil #'none' #create).
        #'(install' nil #'none' #install).
    }
]
{ #category : 'usage' }
WS_BugTemplate >> usageExamples: scriptName [
    ^
    , scriptName, ' --install
    , scriptName, ' --clean --create --boom
    , scriptName, ' --clean --create
    , scriptName, ' --boom
    ,
]
{ #category : 'usage' }
WS_BugTemplate >> usageSynopsis: scriptName [
    ^
    (super usageSynopsis: scriptName), ' [ --install ] [ --clean ] [ --create ] [ --boom ]'
]
```

```
NAME
    bug.st - bug sript utility template....

SYNOPSIS
    bug.st [ [ <image-name> ] [-H] [-D] [-V] [ <st-vm-args> ] -- ] <script options>
-----
    bug.st [ -h | --help ] [ --imageProperties ] [ --install ] [ --clean ] [ --create ] [ --boom ]

DESCRIPTION
    bug sript utility template

--install
    Install any additional code that may be needed to reproduce bug.

--clean
    Remove any persistent objects used to reproduce bug.

--create
    Create the initial conditions needed to reproduce bug.

--boom
    Trigger the bug.

--help
    display this message

--imageProperties
    return (on objOut) the image properties object for the image running
    this script

<image-name>
    name of the st_launcher image to be used to run the script. If
    no <image-name> is specified the default image will be used.

-H
    help. st_launcher script interpreter help message

-D
    debug. bring up debugger if an error occurs while running script

-V
    verbose. display more detail about script interpreter execution

<st-vm-args>
    smalltalk vm specific arguments passed directly to vm when launching script

EXAMPLES
    bug.st -h
    bug.st --help
    bug.st --imageProperties

    bug.st pharo -- --imageProperties

    bug.st --install
    bug.st --clean --create --boom

    bug.st --clean --create
    bug.st --boom
```

NAME
bug.st - bug sript utility template....

SYNOPSIS
bug.st [[<image-name>] [-H] [-D] [-V] [<st-vm-args>] --] <script options>

bug.st [-h | --help] [--imageProperties] [--install] [--clean] [--create] [--boom]

DESCRIPTION
bug sript utility template

--install
Install any additional code that may be needed to reproduce bug.

--clean
Remove any persistent objects used to reproduce bug.

--create
Create the initial conditions needed to reproduce bug.

--boom
Trigger the bug.

--help
display this message

--imageProperties
return (on objOut) the image properties object for the image running this script

<image-name>
name of the st_launcher image to be used to run the script. If no <image-name> is specified the default image will be used.

-H
help. st_launcher script interpreter help message

-D
debug. bring up debugger if an error occurs while running script

-V
verbose. display more detail about script interpreter execution

<st-vm-args>
smalltalk vm specific arguments passed directly to vm when launching script

EXAMPLES
bug.st -h
bug.st --help
bug.st --imageProperties

bug.st pharo -- --imageProperties

bug.st --install
bug.st --clean --create --boom

bug.st --clean --create
bug.st --boom

st_launcher

Usage: SYNOPSIS

bug.st [-h | --help] [--imageProperties] [--install] [--clean] [--create] [--boom]

st_launcher

Usage: DESCRIPTION

```
NAME
bug.st - bug sript utility template....

SYNOPSIS
bug.st [ [ <image-name> ] [-H] [-D] [-V] [ <st-vm-args> ] -- ] <script options>
-----
bug.st [ -h | --help ] [ --imageProperties ] [ --install ] [ --clean ] [ --create ] [ --boom ]

DESCRIPTION
bug sript utility template

--install
    Install any additional code that may be needed to reproduce bug.

--clean
    Remove any persistent objects used to reproduce bug.

--create
    Create the initial conditions needed to reproduce bug.

--boom
    Trigger the bug.

--help
    display this message

--imageProperties
    return (on objOut) the image pro
    this script

<image-name>
    name of the st_launcher image t
    no <image-name> is specified th

-H
    help. st_launcher script interpret

-D
    debug. bring up debugger if an e

-V
    verbose. display more detail abo

<st-vm-args>
    smalltalk vm specific arguments

EXAMPLES
bug.st -h
bug.st --help
bug.st --imageProperties

bug.st pharo -- --imageProperties

bug.st --install
bug.st --clean --create --boom

bug.st --clean --create
bug.st --boom
```

bug sript utility template

--install
Install any additional code that may be needed to reproduce bug.

--clean
Remove any persistent objects used to reproduce bug.

--create
Create the initial conditions needed to reproduce bug.

--boom
Trigger the bug.

st_launcher

Usage: EXAMPLES

NAME
bug.st - bug sript utility template....

SYNOPSIS
bug.st [[<image-name>] [-H] [-D] [-V] [<st-vm-args>] --] <script options>

bug.st [-h | --help] [--imageProperties] [--install] [--clean] [--create] [--boom]

DESCRIPTION
bug sript utility template

--install
Install any additional code that may be needed to reproduce bug.

--clean
Remove any persistent objects used to reproduce bug.

--create
Create the initial conditions needed to reproduce bug.

--boom
Trigger the bug.

--help
display this message

--imageProperties
return (on objOut) the image properties of
this script

<image-name>
name of the st_launcher image to launch. If
no <image-name> is specified the default is
st_launcher

-H
help. st_launcher script interpreter

-D
debug. bring up debugger if an error occurs

-V
verbose. display more detail about script interpreter execution

<st-vm-args>
smalltalk vm specific arguments passed directly to vm when launching script

EXAMPLES

```
bug.st -h
bug.st --help
bug.st --imageProperties

bug.st pharo -- --imageProperties

bug.st --install
bug.st --clean --create --boom

bug.st --clean --create
bug.st --boom
```

bug.st -h

```
bug.st --help
bug.st --imageProperties
```

```
bug.st pharo -- --imageProperties
```

```
bug.st --install
bug.st --clean --create --boom
```

```
bug.st --clean --create
bug.st --boom
```

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
```

```
bug sript utility template
```

```
--install      Install any additional code that may be needed to reproduce bug.
--clean        Remove any persistent objects used to reproduce bug.
--create       Create the initial conditions needed to reproduce bug.
--boom         Trigger the bug.
```

```
Class {
  #name : 'WS_BugTemplate',
  #superclass : 'AbstractProgram',
  #category : 'st_launcher-Workspaces'
}
{ #category : 'accessing' }
WS_BugTemplate >> boom [
  "recreate bug here"
]
{ #category : 'accessing' }
WS_BugTemplate >> clean [
  "clean up indexes here"
]
{ #category : 'accessing' }
WS_BugTemplate >> create [
  "set up for recrating the bug here"
]
{ #category : 'accessing' }
WS_BugTemplate >> install [
  "install supporting code here"
]
{ #category : 'main' }
WS_BugTemplate >> main [
  "return status objects ... if needed"
]
{ #category : 'options' }
WS_BugTemplate >> scriptMethodOptions [
  ^ super scriptMethodOptions,
  {
    #'(boom' nil #'none' #boom).
    #'(clean' nil #'none' #clean).
    #'(create' nil #'none' #create).
    #'(install' nil #'none' #install).
  }
]
{ #category : 'usage' }
WS_BugTemplate >> usageExamples: scriptName [
  ^
  scriptName, ' --install
  ', scriptName, ' --clean --create --boom
  ', scriptName, ' --clean --create
  ', scriptName, ' --boom
  '
]
{ #category : 'usage' }
WS_BugTemplate >> usageSynopsis: scriptName [
  ^
  (super usageSynopsis: scriptName), ' [ --install ] [ --clean ] [ --create ] [ --boom ]'
]
WS_BugTemplate >> usageSynopsis: scriptName [
  ^
  (super usageSynopsis: scriptName), ' [ --install ] [ --clean ] [ --create ] [ --boom ]'
]
```

bug sript utility template

--install

Install any additional code that may be needed to reproduce bug.

--clean

Remove any persistent objects used to reproduce bug.

--create

Create the initial conditions needed to reproduce bug.

--boom

Trigger the bug.

```
WS_BugTemplate >> usageExamples: scriptName [
  ^
  scriptName, ' --install
  ', scriptName, ' --clean --create --boom
  ', scriptName, ' --clean --create
  ', scriptName, ' --boom
  '
]
```

WS_BugTemplate >> usageSynopsis: scriptName [

^ (super usageSynopsis: scriptName), ' [--install] [--clean] [--create] [--boom]'

WS_BugTemplate >> usageSynopsis: scriptName [

^ (super usageSynopsis: scriptName), ' [--install] [--clean] [--create] [--boom]'

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
```

```
"  
bug sript utility template
```

```
--install  
    Install any additional code that may be needed to reproduce bug.  
  
--clean  
    Remove any persistent objects used to reproduce bug.  
  
--create  
    Create the initial conditions needed to reproduce bug.  
  
--boom  
    Trigger the bug.
```

```
"  
Class {  
    #name : 'WS_BugTemplate',  
    #superclass : 'AbstractProgram',  
    #category : 'st_launcher-Workspaces'
```

```
}  
{ #category : 'accessing' }  
WS_BugTemplate >> boom [  
    "recreate bug here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> clean [  
    "clean up indexes here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> create [  
    "set up for recrating the bug here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> install [  
    "install supporting code here"  
]  
{ #category : 'main' }  
WS_BugTemplate >> main [  
    "return status objects ... if needed"  
]
```

```
{ #category : 'options' }  
WS_BugTemplate >> scriptMethodOptions [  
    ^ super scriptMethodOptions,  
    {  
        #('boom' nil #'none' #boom).  
        #('clean' nil #'none' #clean).  
        #('create' nil #'none' #create).  
        #('install' nil #'none' #install).  
    }  
]
```

```
{ #category : 'usage' }  
WS_BugTemplate >> usageExamples: scriptName [  
    ^ scriptName, '--install  
    ', scriptName, '--clean --create --boom  
  
    ', scriptName, '--clean --create  
    ', scriptName, '--boom  
]
```

```
{ #category : 'usage' }  
WS_BugTemplate >> usageSynopsis: scriptName [  
    ^ (super usageSynopsis: scriptName), '--install ] [ --clean ] [ --create ] [ --boom ]'  
]
```

st_launcher

Options declaration

```
WS_ >> scriptMethodOptions [  
    ^ super scriptMethodOptions,  
    {  
        #('boom' nil #'none' #boom).  
        #('clean' nil #'none' #clean).  
        #('create' nil #'none' #create).  
        #('install' nil #'none' #install).  
    }  
]
```

```
#!/usr/local/bin/smalltalk/gemstone/st_launcher
```

```
"  
bug sript utility template
```

```
--install  
    Install any additional code that may be needed to reproduce bug.
```

```
--clean  
    Remove any persistent objects used to reproduce bug.
```

```
--create  
    Create the initial conditions needed to reproduce bug.
```

```
--boom  
    Trigger the bug.
```

```
"  
Class {  
    #name : 'WS_BugTemplate',  
    #superclass : 'AbstractProgram',  
    #category : 'st_launcher-Workspaces'
```

```
}  
{ #category : 'accessing' }  
WS_BugTemplate >> boom [  
    "recreate bug here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> clean [  
    "clean up indexes here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> create [  
    "set up for recrating the bug here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> install [  
    "install supporting code here"  
]  
{ #category : 'main' }  
WS_BugTemplate >> main [  
    "return status objects ... if needed"  
]
```

```
{ #category : 'options' }  
WS_BugTemplate >> scriptMethodOptions [  
    ^ super scriptMethodOptions,  
    {  
        #('boom' nil #'none' #boom).  
        #('clean' nil #'none' #clean).  
        #('create' nil #'none' #create).  
        #('install' nil #'none' #install).  
    }  
]
```

```
{ #category : 'usage' }  
WS_BugTemplate >> usageExamples: scriptName [  
    ^ scriptName, '--install  
    ', scriptName, '--clean --create --boom  
  
    ', scriptName, '--clean --create  
    ', scriptName, '--boom  
]
```

```
{ #category : 'usage' }  
WS_BugTemplate >> usageSynopsis: scriptName [  
    ^ (super usageSynopsis: scriptName), ' [--install ] [--clean ] [--create ] [--boom ]  
]
```

st_launcher

Script body

```
{ #category : 'accessing' }  
WS_BugTemplate >> boom [  
    "recreate bug here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> clean [  
    "clean up indexes here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> create [  
    "set up for recreating the bug here"  
]  
{ #category : 'accessing' }  
WS_BugTemplate >> install [  
    "install supporting code here"  
]  
{ #category : 'main' }  
WS_BugTemplate >> main [  
    "return status objects ... if needed"  
]
```

st_launcher

Jadeite (Rowan) browser

The screenshot displays the Jadeite (Rowan) browser interface for the st_launcher project. The window title is "Projects Browser for SystemUser on st_launcher_350 [1] with remote gem on 192.168.56.1". The interface is divided into several panes:

- Left Pane:** A tree view of packages. The selected package is "st_launcher-Workspaces". Other packages include (NONE), Cypress, FileSystemGs, Rowan, st_launcher_scripts, stash_scripts, STON, and Tonel.
- Center-Left Pane:** A list of packages under the "Packages" tab. The selected package is "st_launcher-Workspaces". Other packages include st_launcher-GemStone-Properties, st_launcher-GemStone-Scripts, st_launcher-GemStone-Services, st_launcher-Pharo-Platform, st_launcher-Pharo-Properties, st_launcher-Properties, st_launcher-Samples, st_launcher-Scripts, st_launcher-Stash, and st_launcher-Stash-Rowan.
- Center-Right Pane:** A list of classes under the "Classes" tab. The selected class is "WS_Template". Other classes include WS_BugTemplate (2/2).
- Right Pane:** A list of categories under the "Category" tab. The selected category is "main". Other categories include accessing, main, options, and usage.

The bottom pane shows the source code for the "main" method:

```
1 main
2 "return status objects ... if needed"
```

Additional st_launcher Script Features

- objIn/objOut
- Live debugger for script errors

Demos

Shell interpreter

- Bash program (right now)
- Runs the default image to translate the imageName into a command line for the correct vm/image that are needed to run the script
- Executes the generated command line

Tonel class file loading for execution

- Parse Tonel class file
- Create class definition
 - MCClassDefinition in Pharo
 - RowanClassDefinition in GemStone
- Load class definition

Tonel class file loading as package

- Not implemented in Pharo
- GemStone
 - Rowan Tonel parser and loader preserve the shebang line in a class property on read/load
 - On write the shebang line is added back to the file

Project Status

https://github.com/dalehenrich/st_launcher

- Currently in alpha
- If you are interested, I invite collaborators to contribute ideas and code

