Griffon 0.9.5

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Overview

Griffon 0.9.5 – "Aquila clanga" - is a maintenance release of Griffon 0.9.

New Features

Buildtime

Dependencies

Griffon 0.9.5 upgrades the following dependencies

- Groovy 1.8.6
- Spring 3.1.0.RELEASE
- Ant 1.8.2
- Slf4j 1.6.4

Plugins and Archetypes

Perhaps the biggest change brought by this release is the full rework of the plugin system. Under the new rules it should be easier to create/build/install/upgrade/manage plugins. Archetypes too can be versioned and released like plugins are. this should make it easier to locate and install archetypes.

Artifact Repositories

Hosting your own plugins and archetypes just got easier. No more fumbling around with SVN and HTTP, the only thing you need now is a writable directory in the filesystem for now. Griffon 0.9.5 delivers 3 types of artifact repositories: local, remote and legacy. A default local repository is always available to you; you may configure additional ones. Remote repositories are supported in this version but the code to publish them is not yet released (keep an eye on https://github.com/griffon/griffon-artifact-portal though). Finally the legacy repository should ease up the transition to the new workflow.

Configuring a local repository is dead simple, as the following snippet shows

```
griffon.artifact.repositories = [
    'my-local-repo': [
        type: 'local',
        path:
'/usr/local/share/griffon/repository'
    ]
]
```

The repo definition may be placed under griffon-app/conf/BuildConfig.groovy or $USER_HOME/.griffon/settings.groovy

Classpath Resolution

The classpath used for build, compile, runtime and test should now be resolved at the last possible moment, instead of the earliest possible as it was before. Resolving the classpath eagerly caused a lot of trouble with addons.

Default Answer in Non Interactive Mode

Sometimes a command may require the user to specify a missing value. When the build is run in interactive mode (the default mode) then it's just a matter of typing the value in the console. However, if the build is run in

non-interactive mode then it's very likely it will fail.

For this reason, the Griffon build accepts the definition of a default answer if the *griffon.noninteractive.default.answer* key is specified, like this

```
griffon
-Dgriffon.noninteractive.default.answer=y
release-plugin
```

Be warned that this setting applies to every single input asked by a command.

Default Packaging Targets

4 packaging targets get executed when the package command is called with no arguments. There's now the option to specify which ones, by defining a list of Strings for *griffon.packaging*, for example

```
griffon.packaging = ['zip', 'jar']
```

Now only those 2 targets will be executed whenever the package command is called without arguments. You can specify additional targets if the Installer plugin is available.

Dependency Resolution

It's now possible to specify SNAPSHOT dependencies on plugins and JARs. Classifiers on dependencies will also be honored, both in condensed and extended format, that is

```
compile 'net.sf.json-lib:json-lib:2.4:jdk15'
compile group: 'net.sf.json-lib: name:
'json-lib', version: '2.4', classifier:
'jdk15'
```

Interactive Shell

There's a new interactive shell based on Apache Karaf's console. This new tool can be invoked by calling *griffonsh* fr om the command line. This console should enable faster responses as the JVM is started only once; also dependencies are cached and environment settings are retained. This shell grants access to all standard griffon command plus a few ones specific to this new environment. There are some rough edges still so treat it carefully 🙂

Offline Mode

Dependency resolution can now work in offline mode. When engaged, no external repository will be queried for dependencies; all dependencies should be resolved against the current cache. Also, all artifact repositories are off limits, except those of type local. This mode can be enabled by specifying `griffon.offline.mode` in either `griffon-app/conf/BuildConfig.groovy` or `$USER_HOME/.griffon/settings.groovy`. This flag can also be set as a system property.

Runtime

Swing Plugin

Swing support has been moved out of core and into its own plugin (https://github.com/griffon/griffon-swing-plugin). This should enable faster updates for Swing related bugs and features.

WindowManager and JInternalFrames

Speaking of Swing, the WindowManager is now capable of dealing with JInternalFrames as if they were windows. You can now show/hide/manage JInternalFrames in the same way as Windows.

Automatic Addon Discovery

Addons will now be automatically discovered and registered by the runtime. There's no longer a need to configure addons in plugin scripts (like _Instal.groovy) unless the addon requires non-standard configuration (which should be the least of cases).

Additional MVC Group Configuration

It's now possible to supply a group with more configuration while each member is being initialized. Simply define a *config* member in the group's definition, for example

```
mvcGroups {
    // MVC Group for "sample"
    'sample' {
        model      = 'sample.SampleModel'
        view       = 'sample.SampleView'
        controller =
'sample.SampleController'
        config {
            someKey = 'someValue'
        }
    }
}
```

You can access these values directly from the arguments passed to the mcGroupInit method, like this

```
package sample

class SampleController {
    void mvcGroupInit(Map args) {
        assert
args.configuration.config.someKey ==
'someValue'
    }
}
```

Disable the Event Bus

Sometimes you don't want controllers to be registered as application event listeners because their code never handles an event. This results in performance upgrades as controllers need not be notified. Both the application's event bus and custom event buses (classes annotated with `@griffon.transform.EventPublisher`) have a new method that control if the event bus is enabled or not. Events posted while the event bus is disabled will be automatically discarded.

Skip Controller as Application Event Handler

Sometimes you don't want controllers to be registered as application event listeners because their code never handles an event. This results in performance upgrades as controllers need not be notified. This feature relies on the new `config` section available to MVC groups. Here's how this feature can be specified

```
mvcGroups {
    // MVC Group for "foo"
    'foo' {
        model      = 'foo.FooModel'
        view       = 'foo.FooView'
        controller = 'foo.FooController'
        config {
            events {
                listener = false
            }
        }
    }
}
```

Skip Firing MVC Lifecycle Events

There are times when creating multiple MVC groups where there's no need to trigger MVC events for example, a custom MVCGroupManager can potentially disable the event router for a time, then enable it after the group has been constructed. This feature relies on the new `config` section available to MVC groups. Here's how this feature can be specified

```
mvcGroups {
    // MVC Group for "foo"
    'foo' {
        model      = 'foo.FooModel'
        view       = 'foo.FooView'
        controller = 'foo.FooController'
        config {
            events {
                lifecycle = false
            }
        }
    }
}
```

Skip Firing MVC New Instance Events

Applications will fire an event named `NewInstance` whenever an artifact gets instantiated, this results in 3 events per MVC group in the typical case. This is great for letting other parts of the application know that there's a new artifact instance that can be processed by dependency injection for example. But, the runtime also pays the penalty for notifying listeners that may not handle the event. Skipping these events may lead to better performance. This feature relies on the new `config` section available to MVC groups. Here's how this feature can be specified

```
mvcGroups {
    // MVC Group for "foo"
    'foo' {
        model      = 'foo.FooModel'
        view       = 'foo.FooView'
        controller = 'foo.FooController'
        config {
            events {
                instantiation = false
            }
        }
    }
}
```

Resource Location Abstraction

There's a new abstraction that deals with resource location: `griffon.core.ResourceHandler`. It defines the following contract

```
URL getResourceAsURL(String resourceName);
InputStream getResourceAsStream(String
resourceName);
List<URL> getResources(String resourceName);
```

Applications, addons and artifacts have been retrofitted with this interface; it's recommended that you use these facilities instead of querying a classloader. Also, there's a new AST transformation that grafts these methods to any class: `griffon.transform.ResourcesAware`.

Breaking Changes

Buildtime

The plugin system and classpath resolution have been completely overhauled. We don't expect any major breackages however we sure to upgrade to the latest versions of available plugins. If you're running a plugin that

has not been upgraded to 0.9.5 and its causing you trouble then please let us know asap and we'll fix it.

Runtime

Now that Swing support is provided outside of core every application must make sure to include it as a dependency. The upgrade command does this for you.

Threading Methods Renamed

The names of the threading methods (execSync, execAsync, execOutside) can be confusing. they have been renamed to the following ones

in griffon.core.ThreadingHandler

```
execOutside -> execOutsideUI
execSync -> execInsideUISync
execAsync -> execInsideUIAsync
```

in griffon.core.GriffonApplication

```
eventOutside -> eventOutsideUI
```

in griffon.util.EventPublisher

```
publishEventOutside -> publishEventOutsideUI
```

in org.codehaus.griffon.runtime.core.EventRouter

```
publishOutside -> publishOutsideUI
```

The old method names are still available and have been marked as deprecated. They will be removed when Griffon 1.0 is released.

Sample Applications

Griffon 0.9.4 ships with 5 sample applications of varying levels of complexity demonstrating various parts of the framework. In order of complexity they are:

File Viewer

File Viewer is a simple demonstration of creating new MVCGroups on the fly.

Source: samples/FileViewer

To run the sample from source, change into the source directory and run `griffon run-app` from the command prompt.

GroovyEdit

GroovyEdit is an improved version of FileViewer that uses custom observable models.

Source: samples/GroovyEdit

To run the sample from source, change into the source directory and run `griffon run-app` from the command prompt.

Font Picker

Font Picker demonstrates form based data binding to adjust the sample rendering of system fonts.

Source: samples/FontPicker

To run the sample from source, change into the source directory and run `griffon run-app` from the command prompt.

Greet

Greet, a full featured Griffon Application, is a Twitter client. It shows Joint Java/Groovy compilation, richer MVCGroup interactions, and network service based data delivery.

Source: samples/Greet

To run the sample from source, change into the source directory and run `griffon run-webstart` from the command prompt. Because Greet uses JNLP APIs for browser integration using `run-app` will prevent web links from working.

SwingPad

SwingPad, a full featured Griffon Application, is a scripting console for rendering Groovy SwingBuilder views.

Source: samples/SwingPad

To run the sample from source, change into the source directory and run `griffon run-app` from the command prompt.

Release Notes

0.9.5

The JIRA server does not support trust requests. Issues have been retrieved anonymously.You can set the macro to always use an anonymous request by setting the `anonymous` parameter to `true`

JIRA Issues (13 issues)

Type	Key	Summary	Assignee	Reporter	Priority	Status	Resolution	Created	Updated	Due
	GRIFFON-473	Event handlers defined in griffon-app/conf/Events.groovy lead to exceptions	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 10, 2012	Jun 16, 2012	
	GRIFFON-482	Griffon wrapper ignores any arguments set on the command line	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 24, 2012	Jun 16, 2012	
	GRIFFON-488	Groovy bug encountered ClassNode#getTypeClass in controller with public methods	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 31, 2012	Jun 16, 2012	
	GRIFFON-453	test-app pattern identification does not match sub-packages	Andres Almiray	jstewart		Closed	Fixed	Feb 15, 2012	Jun 16, 2012	
	GRIFFON-474	Griffon wrapper does not	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 11, 2012	Jun 16, 2012	

		work on plugin projects								
	GRIFFON-475	Can't launch and application that makes use of the JOGL plugin	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 12, 2012	Jun 16, 2012	
	GRIFFON-476	Cannot install jogl-compat plugin	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 12, 2012	Jun 16, 2012	
	GRIFFON-477	Do not force compiler source/target levels to use 1.6 as default	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 13, 2012	Jun 16, 2012	
	GRIFFON-483	Archetype resolution should fail when --archetype is specified but not found	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 29, 2012	Jun 16, 2012	
	GRIFFON-484	Griffon 0.9.5-rc2 does dependency resolution of plugins programatically which fails during compilati	Andres Almiray	Bisrat Dinka		Closed	Fixed	Mar 29, 2012	Jun 16, 2012	

		on for plugins with incorrect dependency syntax								
	GRIFFON-487	NullPointerException when running an app whose name ends in "Controller"	Andres Almiray	Dean Iverson		Closed	Fixed	Mar 30, 2012	Jun 16, 2012	
	GRIFFON-489	Add a clean flag to compile command	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 31, 2012	Jun 16, 2012	
	GRIFFON-478	"griffon package" doesn't default to prod environment	Andres Almiray	Edo		Closed	Fixed	Mar 13, 2012	Jun 16, 2012	

0.9.5-rc2

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JIRA Issues (17 issues)

Type	Key	Summary	Assignee	Reporter	Priority	Status	Resolution	Created	Updated	Due
	GRIFFON-470	Missing Method Exception when running with an addon that provides	Andres Almiray	Andres Almiray		Closed	Fixed	Mar 05, 2012	Apr 19, 2012	

		MVC groups								
	GRIFFON-395	Destroying an MVC group should remove all of its members from application/custom event buses	Andres Almiray	Andres Almiray		Closed	Fixed	Aug 03, 2011	Apr 19, 2012	
	GRIFFON-455	CLI dependencies provided by plugins are not added to the build	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 15, 2012	Apr 19, 2012	
	GRIFFON-456	Enabled offline mode for dependency resolution	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 17, 2012	Apr 19, 2012	
	GRIFFON-457	Guide files are included twice in the binary packages	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 17, 2012	Apr 19, 2012	
	GRIFFON-458	No /usr/bin/griffonsh in debian package	Andres Almiray	Tobias Schulte		Closed	Fixed	Feb 18, 2012	Apr 19, 2012	
	GRIFFON-459	Old Plugin is not removed from plugins	Andres Almiray	Tobias Schulte		Closed	Fixed	Feb 18, 2012	Apr 19, 2012	

		folder on upgrade								
	GRIFFON-460	Griffonsh does not work on Windows	Andres Almiray	Tobias Schulte		Closed	Fixed	Feb 21, 2012	Apr 19, 2012	
	GRIFFON-463	Disable the event bus for a time	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 22, 2012	Apr 19, 2012	
	GRIFFON-464	Rename threading methods to spell out which thread they affect	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 22, 2012	Apr 19, 2012	
	GRIFFON-465	Add a shortcut to artifacts and application to load resourdes from the classpath	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 24, 2012	Apr 19, 2012	
	GRIFFON-466	Skip firing events when creating an MVC group instance	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 24, 2012	Apr 19, 2012	
	GRIFFON-467	Skip registering controllers as	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 24, 2012	Apr 19, 2012	

		application event listeners								
	GRIFFON-468	Move GDSL and DSLD out of core and into Swing plugin	Andres Almiray	Andres Almiray		Closed	Fixed	Feb 24, 2012	Apr 19, 2012	
	GRIFFON-469	_Griffon Package.groovy JNLP webstart file JVM argument updated necessary to avoid Perm Gen space issues	Andres Almiray	Bisrat Dinka		Closed	Fixed	Feb 28, 2012	Apr 19, 2012	
	GRIFFON-454	Quartz plugin won't install unless Spring plugin is installed first	Andres Almiray	Edo		Closed	Fixed	Feb 15, 2012	Apr 19, 2012	
	GRIFFON-462	Version strings in BuildConfig.groovy no longer are automatically updated	Andres Almiray	Edo		Closed	Fixed	Feb 21, 2012	Apr 19, 2012	

0.9.5-rc1

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JIRA Issues (29 issues)

Type	Key	Summary	Assignee	Reporter	Priority	Status	Resolution	Created	Updated	Due
	GRIFFON-392	EventPublisher compilation problem	Andres Almiray	Konstantin Grigoriev		Closed	Fixed	Jul 26, 2011	Mar 09, 2012	
	GRIFFON-409	Compile classpath should be resolved as late as possible	Andres Almiray	Andres Almiray		Closed	Fixed	Sep 18, 2011	Mar 09, 2012	
	GRIFFON-106	Packaging error on WSClient plugin (groovyws-standalone-0.5.0.jar)	Danno Ferrin	Jens Hoffmann		Closed	Fixed	Nov 17, 2009	Mar 09, 2012	
	GRIFFON-123	Add a preInstall hook for plugins	Danno Ferrin	Andres Almiray		Closed	Fixed	Dec 14, 2009	Mar 09, 2012	
	GRIFFON-327	uninstall-plugin does not work on Windows	Andres Almiray	Tobias Schulte		Closed	Fixed	Feb 18, 2011	Mar 09, 2012	
	GRIFFON-377	RunApp fails if path elements are already quoted	Andres Almiray	Andres Almiray		Closed	Fixed	Jun 28, 2011	Mar 09, 2012	
	GRIFFON-408	Skip depende	Andres Almiray	Andres Almiray		Closed	Fixed	Sep 18, 2011	Mar 09, 2012	

		ncy resolution for certain commands								
	GRIFFON-410	Extract swing support into its own plugin	Andres Almiray	Andres Almiray		Closed	Fixed	Sep 18, 2011	Mar 09, 2012	
	GRIFFON-411	Internalize addon discovery at runtime	Andres Almiray	Andres Almiray		Closed	Fixed	Sep 18, 2011	Mar 09, 2012	
	GRIFFON-412	Archetypes should be versioned/release like plugins	Andres Almiray	Andres Almiray		Closed	Fixed	Sep 18, 2011	Mar 09, 2012	
	GRIFFON-413	New command that lists available archetypes in archetype repos	Andres Almiray	Andres Almiray		Closed	Fixed	Sep 18, 2011	Mar 09, 2012	
	GRIFFON-426	Griffon does not take provided scope of transitive dependencies into account	Andres Almiray	Wim Deblauwe		Closed	Fixed	Oct 24, 2011	Mar 09, 2012	
	GRIFFON-428	Java Jumpstart archetype is broken	Andres Almiray	Andres Almiray		Closed	Fixed	Oct 28, 2011	Mar 09, 2012	

	GRIFFON-430	GDSL crashes in IDEA	Andres Almiray	Andres Almiray		Closed	Fixed	Nov 09, 2011	Mar 09, 2012	
	GRIFFON-431	Intellisense in the controllers should know about doOutside and doLater	Andres Almiray	Rick Jensen		Closed	Fixed	Nov 10, 2011	Mar 09, 2012	
	GRIFFON-434	Allow Window Manager to handle JInternal Frames	Andres Almiray	Andres Almiray		Closed	Fixed	Nov 11, 2011	Mar 09, 2012	
	GRIFFON-435	Spock Unit Tests With Closure definitions fail with java.lang.IllegalAccessError	Andres Almiray	Stephen Nesbitt		Closed	Fixed	Nov 22, 2011	Mar 09, 2012	
	GRIFFON-437	Allow specifying default package targets	Andres Almiray	Wim Deblauwe		Closed	Fixed	Nov 28, 2011	Mar 09, 2012	
	GRIFFON-438	ClassNode#getTypeClass is called before the type class is set	Andres Almiray	Wim Deblauwe		Closed	Fixed	Dec 06, 2011	Mar 09, 2012	
	GRIFFON-439	Automatic loading of ArtifactH	Andres Almiray	Andres Almiray		Closed	Fixed	Dec 11, 2011	Mar 09, 2012	

		andlers is broken								
	GRIFFON-440	Compilation error: mvcGroupInit repetitive method	Andres Almiray	Ivan Arrizabalaga Getino		Closed	Fixed	Dec 12, 2011	Mar 09, 2012	
	GRIFFON-442	Allow parameter for default answer to be passed to command line when running in --non-interactive mode	Andres Almiray	Nick Bartlow		Closed	Fixed	Dec 21, 2011	Mar 09, 2012	
	GRIFFON-445	RunApp.groovy has incorrect JVM arguments	Andres Almiray	Bisrat Dinka		Closed	Fixed	Jan 11, 2012	Mar 09, 2012	
	GRIFFON-446	new java project creates invalid mvc group	Andres Almiray	Hamlet D'Arcy		Closed	Fixed	Jan 13, 2012	Mar 09, 2012	
	GRIFFON-447	_GriffonPackage.groovy and Package.groovy GANT script files which RunApp.groovy	Andres Almiray	Bisrat Dinka		Closed	Fixed	Jan 17, 2012	Mar 09, 2012	

		depends on (directly and indirectly) set Max Perm Gen space incorrectly as JVM arguments								
	GRIFFON-449	MVCs not being garbage collected after being destroyed	Andres Almiray	Sev Burmaka		Closed	Fixed	Feb 03, 2012	Mar 09, 2012	
	GRIFFON-451	i18n-0.4.1 and i18n-support-0.1-SNAPSHOT are treated as one plugin, not two separate ones	Andres Almiray	Alexander Klein		Closed	Fixed	Feb 06, 2012	Mar 09, 2012	
	GRIFFON-246	package carries on after errors	Andres Almiray	chris snow		Closed	Fixed	Oct 04, 2010	Mar 09, 2012	
	GRIFFON-444	Implement Grails like Capability to Change Logging Backends	Andres Almiray	Stephen Nesbitt		Closed	Fixed	Jan 06, 2012	Oct 18, 2012	