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JEP 398: Deprecate the Applet API for Removal

<i>Owner</i>	Andy Herrick
<i>Type</i>	Feature
<i>Scope</i>	SE
<i>Status</i>	Closed / Delivered
<i>Release</i>	17
<i>Component</i>	client-libs / java.awt
<i>Discussion</i>	awt dash dev at openjdk dot java dot net
<i>Effort</i>	S
<i>Duration</i>	S
<i>Relates to</i>	JEP 289: Deprecate the Applet API
<i>Reviewed by</i>	Alexander Matveev, Kevin Rushforth, Philip Race, Sergey Bylokhov
<i>Endorsed by</i>	Kevin Rushforth
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Summary

Deprecate the Applet API for removal. It is essentially irrelevant since all web-browser vendors have either removed support for Java browser plug-ins or announced plans to do so.

History

The Applet API was previously deprecated, though not for removal, by [JEP 289](#) in Java 9.

Description

Deprecate, for removal, these classes and interfaces of the standard Java API:

- `java.applet.Applet`
- `java.applet.AppletStub`
- `java.applet.AppletContext`
- `java.applet.AudioClip`
- `javax.swing.JApplet`
- `java.beans.AppletInitializer`

Deprecate, for removal, any API elements that reference the above classes and interfaces, including methods and fields in:

- `java.beans.Beans`
- `javax.swing.RepaintManager`
- `javax.naming.Context`

Testing

Hundreds of tests need to be either modified or removed before the Applet API is removed, but this JEP is solely about deprecation-for-removal. We will review these tests to determine if further `@SuppressWarnings` annotations are required.

Risks and Assumptions

In case remaining uses of these APIs do exist, developers can suppress compiler warnings via the `@SuppressWarnings("removal")` annotation or the `-Xlint:-removal` command-line option of the `javac` compiler.

