

Building Patched Versions

As part of the research process there will be a need to evaluate a set of changes to the source tree. To make this process easier the property named `patch.name` can be set to a non-empty string. This will cause the output directory to have the name `${config.name}_${target.name}_${config.variant}` rather than `${config.name}_${target.name}`, thus making it easy to differentiate between the patched and unpatched runtimes.

The following steps will create a runtime without the patch in `dist/prototype_ia32-linux` and a runtime with the patch applied in `dist/prototype_ia32-linux_ReadBarriers`.

```
% cd $RVM_ROOT
% ant -Dconfig.name=prototype -Dhost.name=ia32-linux
% patch -p0 < ReadBarriers.diff
% ant -Dconfig.variant=ReadBarriers -Dconfig.name=prototype
-Dhost.name=ia32-linux
% patch -R -p0 < ReadBarriers.diff
```

The `config.variant` property is also supported and reported as part of the test infrastructure.