

# FortressStandaloneExample

## Fortress Standalone HOWTO

How to bootstrap a Fortress container and retrieve services.

see <http://cvs.apache.org/viewcvs.cgi/avalon-sandbox/examples/fortress/standalone/> for latest source code.

```
/*
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 */

package org.apache.avalon.examples.fortress;

import org.apache.avalon.fortress.impl.DefaultContainerManager;
import org.apache.avalon.fortress.impl.DefaultContainer;
import org.apache.avalon.fortress.util.FortressConfig;
import org.apache.avalon.fortress.ContainerManager;
import org.apache.avalon.framework.container.ContainerUtil;
import org.apache.avalon.framework.service.ServiceManager;

import org.apache.avalon.examples.simple.Simple;

public class FortressStandalone {

    public FortressStandalone() {
    }

    public static void main( String[] args )
        throws Exception
    {

        // preferably we would override this with command line parameters
        String configDir = "src/conf";

        // Set up all the preferences for Fortress
        final FortressConfig config = new FortressConfig();

        config.setContainerConfiguration( configDir+"/system.xconf" );
        config.setRoleManagerConfiguration( configDir+"/system.roles" );
        config.setLoggerManagerConfiguration( configDir+"/logkit.xconf");

        // Get the root container initialized
        ContainerManager cm = new DefaultContainerManager( config.getContext() );
        ContainerUtil.initialize( cm );

        // get the default container and ServiceManager
        DefaultContainer container = (DefaultContainer) cm.getContainer();
        ServiceManager manager = container.getServiceManager();

        // we can now lookup our services
        Simple simple = (Simple) manager.lookup(Simple.class.getName());

        System.out.println("-----");
    }
}
```

```
System.out.println(simple.getName());
System.out.println("-----");

// don't forget to release
manager.release(simple);

// Properly clean up when we are done
org.apache.avalon.framework.container.ContainerUtil.dispose( cm );
}

}
```

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