Problem:
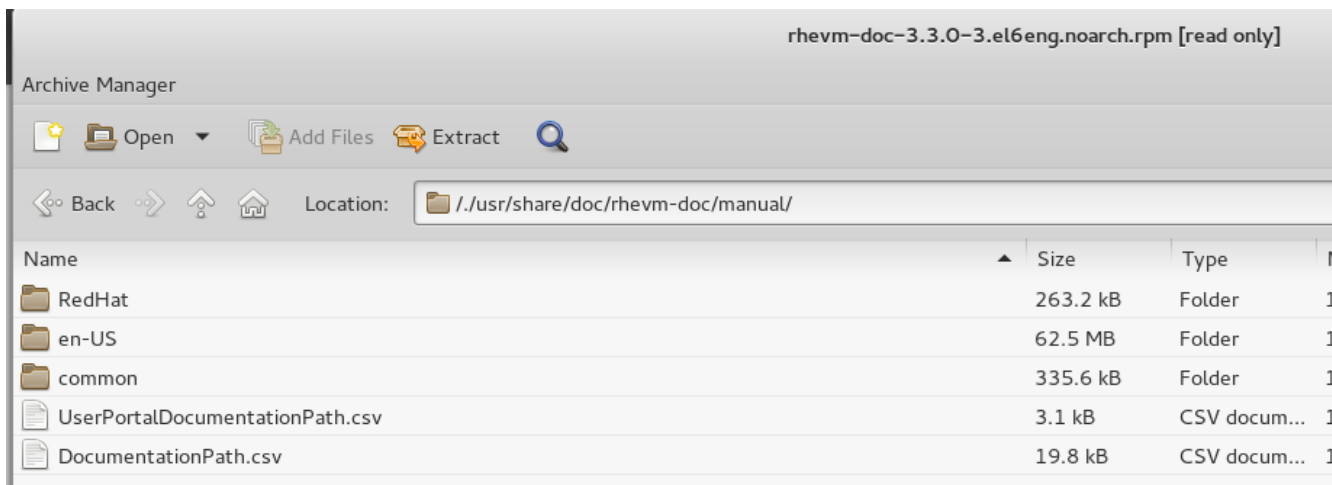I installed Japanese docs. When I clicked on the Japanese admin guide link, I was redirected to the English copy.

Cause:
rhevm-doc stores documentation in locale directories using - (hyphen) in the locale name:

```
greg@dauntless:/usr/share/doc/rhevm-doc/manual$ ll
total 44K
drwxr-xr-x. 3 root root 4.0K Jul  4 07:51 RedHat
drwxr-xr-x. 3 root root 4.0K Jul  4 07:51 common
drwxr-xr-x. 4 root root 4.0K Jun 17 08:22 en-US
drwxr-xr-x. 4 root root 4.0K Jul  4 07:51 ja-JP
-rw-r--r--. 1 root root   68 Jun 17 08:22 manual.properties
-rw-r--r--. 1 root root 2.3K Jun 17 08:22 userportal.json
-rw-r--r--. 1 root root  18K Jun 17 08:22 webadmin.json
greg@dauntless:/usr/share/doc/rhevm-doc/manual$
```

It did this in the previous version (3.3) as well:

rhevm-doc-3.3.0-3.el6eng.noarch.rpm [read only]

Archive Manager

Open ▾   Add Files   Extract   🔍

Back ◇ ◇ ⌂ ⌂   Location: /./usr/share/doc/rhevm-doc/manual/

Name	Size	Type	N
RedHat	263.2 kB	Folder	1
en-US	62.5 MB	Folder	1
common	335.6 kB	Folder	1
UserPortalDocumentationPath.csv	3.1 kB	CSV docum...	1
DocumentationPath.csv	19.8 kB	CSV docum...	1

I realized that the URLs had _ (underscore) instead of -(hyphen) in the URL's locale.

Red Hat | RHEVM

localhost:8080/ovirt-engine/?locale=en_US

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RED HAT ENTERPRISE VIRTUALIZATION

Welcome to Red Hat Enterprise Virtualization Manager   Version 3.5.0_master

Portals

User Portal

Administration
Portal

Reports Portal

Documentation

Administration Guide [PDF]
a#WelcomePage_adminGuideHtml 144px × 19px

Technical Guide [PDF]

User Guide [PDF]

Manager Release Notes [PDF]

Support

Getting Support

EV Users Group

Knowledge Base

U.S. English ▼

Elements Network Sources Timeline Profiles Resources Audits Console

```
▶ <noscript>…</noscript>
▶ <div class="col-sm-12 welcome-title-wrapper">…</div>
▼ <div class="col-sm-12">
  ▶ <div class="col-sm-2 col-md-2 col-lg-2 login">…</div>
  ▼ <div class="col-sm-3 col-md-3 col-lg-3 details">
      <div class="welcome-section-title">Documentation</div>
    ▼ <div class="welcome-link">
        <a id="WelcomePage_adminGuideHtml" href="docs/manual/en_US/html/Administration_Guide/
        index.html">Administration Guide</a>
        " ["
        <a id="WelcomePage_adminGuidePDF" href="docs/manual/en_US/pdf/Administration_Guide/
        Red_Hat_Enterprise_Virtualization-3.4-Administration_Guide.pdf">PDF</a>
        "]"
      </div>
    ▶ <div class="welcome-link">…</div>
```

html body div div.login-pf div.container div.row div.col-sm-12 div.col-sm-3.col-md-3.col-lg-3.details div.welcome-link a#WelcomePage_adminGuideHtml

Styles Computed Event Listeners »

element.style {
}

a {   rcue.min.css:1
  color: ■#0099d3;
  text-decoration: none;
}

a {   rcue.min.css:1
  background: ▶□transparent;
}

a {   patternfly.min.css:1
  color: ■#0099d3;
  text-decoration: none;
}

A bug in DocsServlet::determineActualFile is the cause. The fix is to replace _ with - when looking for the documentation files.

```
Patch Set (-) Base 1 2
Patch Set (+)       1 2
diff --git a/backend/manager/modules/utils/src/main/java/org/ovirt/engine/core/utils/servlet/DocsServlet.java
index 6ffa032..a4d8ac5 100644
--- a/backend/manager/modules/utils/src/main/java/org/ovirt/engine/core/utils/servlet/DocsServlet.java
+++ b/backend/manager/modules/utils/src/main/java/org/ovirt/engine/core/utils/servlet/DocsServlet.java
@@ -118,21 +118,23 @@
118 118      * Determine the actual file based on the passed in {@code HttpServletRequest} path and
119 119      * the passed in {@code Locale}. If the Locale is invalid or cannot be found, use the
120 120      * default (EN_US) locale.
121 121      * Returns null if the file cannot be found.
122 122      *
123 123      * @param request The {@code HttpServletRequest} containing the path.
124 124      * @param locale The {@code Locale} to search for.
125 125      * @return A {@code File} object pointing to the requested file.
126 126      */
127 127      protected File determineActualFile(final HttpServletRequest request, Locale locale) {
128     -        File file = ServletUtils.makeFileFromSanePath(request.getPathInfo(), base);
    128 +        // webapp asks for files in xx_XX locale, but the directory has a - not a _ . Convert.
    129 +        File file = ServletUtils.makeFileFromSanePath(replaceLocaleWithOtherLocale(request.getPathInfo(), locale, locale), base);
    130 +
129 131        // Check if file is found. If not found go ahead and try and look up the English US locale version.
130 132        if (file != null && !ServletUtils.canReadFile(file)) {
131 133            file = ServletUtils.makeFileFromSanePath(replaceLocaleWithUSLocale(request.getPathInfo(), locale), base);
132 134        }
```

English had been working only because _ was 404ing and then getting redirected to the 'English default' of en-US.

With the fix, English and Japanese both work.

redhat.

RED HAT
DOCUMENTATION

Administration Guide

Next ▶

Red Hat Enterprise Virtualization 3.4

Administration Guide

Administration Tasks in Red Hat Enterprise Virtualization

Edition 1.0

redhat.

Elements Network Sources Timeline Profiles Resources Audits Console

```
<!--?xml version="1.0" encoding="UTF-8" standalone="no"?-->
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
▼<html xmlns="http://www.w3.org/1999/xhtml" xmlns:ext="http://exslt.org/common" class="chrometwo">
  ▶<head>…</head>
  ▼<body class="chrometwo" style>
    ▶<div id="chrometwo">…</div>
    </body>
</html>
```

Styles Computed Event Listeners »

```
element.style {
}
body {                          common.css:10
    background-color: □white;
    margin: ▶0 auto;
    font-family: "liberation sans", "Myriad
        ", "Bitstream Vera Sans", "Lucida
        Grande", "Luxi Sans", "Trebuchet MS",
        helvetica, verdana, arial, sans-
        serif;
    font-size: 14px;
    max-width: 770px;
    color: ■black;
}
```

html.chrometwo   body.chrometwo

To verify the fix, just make sure both English links load English docs, and Japanese links load Japanese docs (not English!)