**Red Hat Satellite Server 6  
Report Date: April 3, 2015**

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| **QCTC TESTING INFORMATION** | |
| **Tester(s):** The QCTC Team | |
| **Description:**  Red Hat Satellite Server 6 is an application used for managing the Linux environment on the Red Hat operating system. The current version for Red Hat Satellite is v5.7. Red Hat Satellite Server provides the following:   * Automated configuration management via Puppet. * Allows user to manage/propagate changes. * Master/slave environment:   + Non-production – master   + Production – slave * Provisioning on bare metal, virtualized infrastructure and on public or private clouds, all from one place and with one simple process, including Red Hat Enterprise Virtualization, Red Hat Enterprise Linux Open Stack Platform, VMware, and Amazon EC2. * System discovery, enabling user to discover and search across non-provisioned hosts for rapid deployment.   + Drift remediation, enabling users to automatically correct system state with reporting, auditing, and history of changes. * Subscription management, enabling users to report and map purchased products to registered system for end-to-end subscription consumption visibility.   The product has a web user interface and command line interface.  Additional information is available at the following URL:  <https://access.redhat.com/products/red-hat-satellite> | **Project:**  Red Hat Satellite Server 6  **Product:**  RED HAT SATELLITE  Version 6.0.8 |
| **Testing Dates:**  March 25, 2015 to March 31, 2015  **Types of Testing:**  Accessibility | **Target Machine/OS Platform:**  Windows 7 SP1   * Dell OptiPlex 990 * Dell Latitude E6420 |
| *The Quality Control Testing Center is always working towards improving our testing process and procedures. Your feedback is important to us*. [Click here to take the QCTC Feedback Survey.](https://collaboration/sites/OIT/Infra/cmqa/qctc/Lists/Customer%20Feedback/NewForm.aspx?Source=http://opc-ad-mossfe1/sites/oit/ea/cmqa/qctc/Lists/Customer%20Feedback/overview.aspx) | |

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| **SUMMARY OF TEST RESULTS** |
| **Red Hat Satellite Server 6**  **March 25, 2015 to March 31, 2015** |
| **Accessibility Risk Rating: HIGH**  The Accessibility Risk Rating for Red Hat Satellite Server 6 was assessed to be **HIGH risk** because six (6) **Urgent** severity defects were identified as a result of performing accessibility testing. These **Urgent** severity accessibility defects would compromise the usage of the application by users with disabilities.  As shown in the table below, the QCTC Team identified a total of seven (7) defects during the designated testing period. Six (6) defects are considered to be **Urgent** severity and one (1) is **Medium** severity. The test results are attached to this system test card.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Summary of Red Hat Satellite Server 6 Defects** | | | | | | | | **Type of Testing** | **Open Defects: Severity** | | | | **Total Open Defects** | **Total Closed Defects** | | **Showstopper** | **Urgent** | **Medium** | **Low** | | Accessibility | 0 | 6 | 1 | 0 | **7** | **0** | | TOTAL: | 0 | 6 | 1 | 0 | **7** | **0** | |
| The risk rating of the testing area is as follows:   * Accessibility Testing – **HIGH** **RISK** (see page 4 for details). |
| **APPENDICES OF TEST RESULTS** |
| List of Appendices   * Appendix 1 – Accessibility Testing: Section 508 Compliance Table |
| **TEST RESULTS** |
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| **TESTING SCOPE** | | |
| The Quality Control Testing Center (QCTC) Team performed accessibility testing based on Red Hat Satellite Server 6 functionality.  Red Hat Satellite Server 6 is a commercial off-the-shelf (COTS) web-based server application by Red Hat, Inc. The test activities for Red Hat Satellite Server 6 were performed by individual testers on designated QCTC test workstations running the Windows 7 (64-bit) operating system using the Microsoft Internet Explorer (IE) v10.0 browser. QCTC testers accessed the application using the following URL:  <https://sp-sec-devrhss.ix.ad.sec.gov>  The test results are documented within this System Test Card. The defects are reported in detail within TeamTrack in the Red Hat Satellite Server 6 Defect Report.  **Due to testing time constraints, these defects may not represent all defects in the product or application but a represented number of defects used to determine the Overall Risk Rating and/or Accessibility Risk Rating.**  Each defect severity rating level is defined below:   * Showstopper – A defect caused the application to not function or to fail completely, with no workaround available to the user. * Urgent – A defect causes an error to occur in the application, and some functionality is lost. Errors that have a workaround are not considered urgent. Non Section 508 accessibility errors are never rated as Urgent. * Medium – A defect causes an error to occur in the application, but does not affect the functionality of the application. There is a workaround. * Low – A defect does not cause an error to occur in the application and the functionality is not affected. Examples include cosmetic or minor user interface problems. | | |
| **ACCESSIBILITY TESTING** | **Risk Rating: HIGH** |
| The Accessibility Risk Rating for Red Hat Satellite Server 6 was assessed to be **HIGH risk** because six (6) **Urgent** severity defects were identified as a result of performing accessibility testing. These **Urgent** severity accessibility defects would compromise the usage of the application by users with disabilities.  The QCTC Team used a combination of automated and manual tools. The following is a brief description of how the tools were used for testing Red Hat Satellite Server 6. The following is a brief description of how the tool was used for testing Red Hat Satellite Server 6.   * The QCTC Team used HiSoftware Compliance Sheriff v4.0.4.1 to scan Red Hat Satellite Server 6 for accessibility. HiSoftware Compliance Sheriff v4.0.4.1 scanned twenty-four (24) web pages and did not identify any errors. The scan results were captured and saved on the QCTC Operations SharePoint site. * Manual testing was performed on Red Hat Satellite Server 6. The manual test cases were extracted from the *Section 508 Accessibility Testing Manual* located on the QCTC Operations SharePoint site. Two (2) **Urgent** severity and one (1) **Medium** severity accessibility defects were identified.   **Urgent** Severity   * Sub menus “Any Organization” and “Any Location” are not accessible via the keyboard (see TPR ID 7890). * Visual focus is not provided for certain user interface elements (see TPR ID 7895).   **Medium** Severity   * Application overrides user selected color and contrast selections (see TPR ID 7891). * The QCTC Team used JAWS v16.0.1516 to test Red Hat Satellite Server 6 for accessibility. Four (4) **Urgent** severity accessibility defects were identified.   **Urgent** Severity   * Some icons are sufficient for JAWS to announce but are not sufficient for JAWS to announce correctly (see TPR ID 7892). * Labels for specific fields are not sufficient for JAWS to announce (see TPR ID 7893). * Dynamically appearing popup message is not sufficient for JAWS to announce (see TPR ID 7894). * The identity of the "Search" drop down button is sufficient for JAWS to announce, but is not sufficient for JAWS to announce correctly (see TPR ID 7909). * A Voluntary Product Accessibility Template (VPAT) for Red Hat Satellite 5.6 date September 16, 2014 was available from the vendor for review during the designated testing period. The QCTC Team findings were inconsistent with the following statements in the VPAT. * Section 508, Part 1194.21, Paragraph (a) * Section 508, Part 1194.21, Paragraph (c) * Section 508, Part 1194.21, Paragraph (d) * Section 508, Part 1194.21, Paragraph (g) * Section 508, Part 1194.22, Paragraph (n)   Appendix 2 contains the Section 508 Accessibility tables, *Software Applications and Operating Systems* (Section 1194.21) and *Web-based Intranet and Internet Information Applications* (Section 1194.22). | |

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| **TESTING LIMITATIONS** | | |
| **Degree of Limitation Level** | **Pre-Test Risk** | **Post-Testing Risk Mitigation and Notes** |
|  | None |  |

**Product: Red Hat Satellite Server 6**

**A. §1194.21 Software Applications and Operation Systems**

| **Para.** | **Section** | **Description** | **Applicable To Product** | **Pass/ Fail** | **TPR ID(s)** |
| --- | --- | --- | --- | --- | --- |
| (a) | Executing Function from Keyboard | When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually. | **Yes** | **Fail** | 7890 |
| (b) | Accessibility Features | Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer. | **Yes** | **Pass** |  |
| (c) | Input Focus | A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that assistive technology can track focus and focus changes. | **Yes** | **Fail** | 7895 |
| (d) | User Interface Element | Sufficient information about a user interface element including the identity, operation and state of the element shall be available to assistive technology. When an image represents a program element, the information conveyed by the image must also be available in text. | **Yes** | **Fail** | 7892 7909 |
| (e) | Bitmap Images | When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance. | **Yes** | **Pass** |  |
| (f) | Textual Information | Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes. | **Yes** | **Pass** |  |
| (g) | User Selected Attributes | Applications shall not override user selected contrast and color selections and other individual display attributes. | **Yes** | **Pass w/ Exception** | 7891 |
| (h) | Animation | When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user. | **No** | **N/A** |  |
| (i) | Color Coding | Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. | **Yes** | **Pass** |  |
| (j) | Color and Contrast Settings | When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided. | **No** | **N/A** |  |
| (k) | Flashing or Blinking Text | Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz. | **Yes** | **Pass** |  |
| (l) | Electronic Forms | When electronic forms are used, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues. | **Yes** | **Pass** |  |

**Product: Red Hat Satellite Server 6**

**B. §1194.22 Web-based Intranet and Internet Information Applications**

| **Para.** | **Section** | **Description** | **Applicable To Product** | **Pass/ Fail** | **TPR ID(s)** |
| --- | --- | --- | --- | --- | --- |
| (a) | Non-Text Elements | A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content). | **Yes** | **Pass** |  |
| (b) | Multimedia | Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation. | **No** | **N/A** |  |
| (c) | Color and Contrast | Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup. | **Yes** | **Pass** |  |
| (d) | Cascading Style Sheets | Documents shall be organized so they are readable without requiring an associated style sheet. | **Yes** | **Pass** |  |
| (e) | Server side Image Maps | Redundant text links shall be provided for each active region of a server-side image map. | **No** | **N/A** |  |
| (f) | Client-side Image Maps | Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape. | **Yes** | **Pass** |  |
| (g) | Data Tables | Row and column headers shall be identified for data tables. | **Yes** | **Pass** |  |
| (h) | Complex Tables | Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers. | **Yes** | **Pass** |  |
| (i) | Frames | Frames shall be titled with text that facilitates frame identification and navigation. | **Yes** | **Pass** |  |
| (j) | Flickering Content | Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz. | **Yes** | **Pass** |  |
| (k) | Alternate Pages | A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes. | **No** | **N/A** |  |
| (l) | Scripting | When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by assistive technology. | **Yes** | **Pass** |  |
| (m) | Applets and Plug-Ins | When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l). | **Yes** | **Pass** |  |
| (n) | Forms | When electronic forms are designed to be completed on-line, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues. | **Yes** | **Fail** | 7893 7894 |
| (o) | Skip To Main | A method shall be provided that permits users to skip repetitive navigation links. | **Yes** | **Pass** |  |
| (p) | Timed responses | When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required. | **Yes** | **Pass** |  |