Release Notes

Vital Version 8.1 SP1

August 2018

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IMPORTANT NOTES

Starting with version 8.1 SP1, Vital uses HTTP Secure (HTTPS) by default. The Vital 8.1 SP1 distribution includes a self-signed SSL certificate, and the **server.xml** and **web.xml** files are configured to use HTTPS.

Starting with version 8.1, Vital's use of Docker requires that you use Red Hat Enterprise Linux 7 (RHEL7) or CentOS 7 (CentOS7) as the host operating system. RHEL6 and CentOS6 are NOT supported.

Also starting with version 8.1, Vital no longer supports the use of MySQL databases. If your Vital installation uses a MySQL database, you must move your data to a PostgreSQL database before migrating to Vital 8.1.

Also starting with version 8.1, Vital's use of Docker requires that you run a command to access Vital's directory structure within the Docker container. You must run this command in order to access the **vital.properties** file, Vital log files, and other resources associated with your Vital installation. See the Vital 8.1 SP1 Installation and Migration Instructions for more information.

In Vital 8.1, the **vital.imageServer.baseUrl** setting in the **vital.properties** file must match the image server port that you specified in the Docker run command when starting Vital. If you used a non-default port number for the image server port value in the run command, you must edit **vital.properties** to reflect the port number being used. See the Vital 8.1 SP1 Installation and Migration Instructions for more information about the Docker run command.

If you plan to use SSL in Vital 8.1, the **fedoraRedirectPort** setting in the **fedora.fcfg** file and the **redirectPort** setting in the **server.xml** file must match the redirect port that you specified in the Docker run command when starting Vital. If you used a non-default port number for the redirect port value in the run command, you must edit these two configuration files to reflect the port number being used. See the Vital 8.1 SP1 Installation and Migration Instructions for more information about the Docker run command.

If your institution uses LDAP authentication, as of version 8.1, Vital's use of Docker requires that you specify the LDAP port (port 389) at the time you start the Vital Docker container. See the Vital 8.1 SP1 Installation and Migration Instructions for more information.

If you plan to use HTTPS with Vital 8.1 SP1:

- The **vital.imageServer.baseUrl** setting in the **vital.properties** file must match the image server port (https) that you specified in the Docker run command when starting Vital. If you used a non-default port number for the image server (https) port value in the run command, you must edit **vital.properties** to reflect the port number being used. See the Vital 8.1 SP1 Installation and Migration Instructions for more information about the Docker run command.

- You must make the following modifications to the **cantaloupe.properties** file (found in the **/opt/vtls/vital/image-server** directory):
  - Set the **https.enabled** setting to "true".
  - Set the **https.key_store_password** setting to the password you used when configuring the self-signed SSL certificate.
  - Set **the https.key_store_path** value to "/home/dbadmin/.keystore".
  - Set the **https.key_password** value to the password you used when configuring the self-signed SSL certificate.
  - Set the **https.port** value so that it matches the **vital.imageServer.baseUrl** setting and the image server port (https) value in the run command, as described above.

If you plan to use handles with Vital 8.1 SP1, you must place your **admpriv.bin** file in the **docker** directory before you build the Vital Docker image. The **build.sh** script will copy it to the **/home/dbadmin** directory. See the Vital 8.1 SP1 Installation and Migration Instructions for more information.

To use Valet with Vital 8.1 SP1, you must perform the following steps: 1) Modify the **publish.xml** file to include the hostname and port where the Vital Docker container is running. 2) Remove the **deny-apim-if-not-localhost.xml** policy file from the **/opt/vtls/vital/store/fedora-xacml-policies/repository-policies/default** directory. 3) Run the **fedora.sh** script to reload policies. See the Vital 8.1 Installation and Migration Instructions for more information.

The Fedora Authenticated Download (FAD) tool has been updated to work with Fedora 3.5, which is required by Vital 8.x. This change requires you to modify the following configuration files before using the FAD tool: **application-security.xml**, **vital.properties**, and **fedora-users.xml**. See the Vital user documentation for more information.

NEW FEATURES

ID	Netsuite	Release Note
VITAL-5336		Starting with version 8.1 SP1, Vital uses HTTP Secure (HTTPS) by default. The Vital 8.1 SP1 distribution includes a self-signed SSL certificate, and the server.xml and web.xml files are configured to use HTTPS.
VITAL-4410		The Vitation service script (**vitation.js**) has been updated so that Vitation now uses HTTPS by default.
VITAL-5337		You can now run Valet using HTTPS. To do this, you must be running Vital using HTTPS. You must also make several configuration updates, including creating a self-signed certificate and modifying the **httpd.conf** configuration file. See the Valet user documentation for information about configuring Valet to run using HTTPS.
VITAL-5438		In Vital 8.1 SP1, the image server settings in **vital.properties** and **cantaloupe.properties** have been modified so that they are now configured to use HTTPS by default. In **vital.properties**, the default value for the **vital.imageServer.baseUrl** property is now `https://hostname:8183/iiif/2/`. In **cantaloupe.properties,** `https.enabled` is now set to `true`. In addition, the default values for the `https.key_store_password`, `https.key_store_path`, and `https.key_password` settings have been updated.
VITAL-5244		A new System-wide Message setting is available on the Appearance tab of the Settings administrative page. This setting allows you to configure a text message that appears at the top of each screen in the Vital user interface. The System-wide Message setting is site-specific; you can configure a unique message to be displayed in each site. (This functionality replaces the **message.txt** feature available in older versions of the software.)
VITAL-5440		Valet has been improved so that submitted files are now validated against a whitelist file (**lib.js**) of allowed file types. Only files with file extensions that match the allowed file extensions configured in **lib.js** may be uploaded for submission to Valet. You can edit the **lib.js** file to modify the list of file types that can be uploaded via Valet.
VITAL-4923		Vital 8.1 SP1 includes updated Arabic language translations and user interface updates that improve your experience when the Arabic language (or another right-to-left language) is selected.

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VITAL-5422		On the Settings page in the administrative interface, the Logo setting has been improved in Vital 8.1 SP1. When you attempt to upload an image file via the Logo setting, Vital now verifies that the selected file is of a supported file format (**.png**, **.jpg**, or **.svg**). If you attempt to upload a file with a different file format, the software now displays a message ("There was an error uploading a new logo") and the required file specifications are highlighted on the Settings page.
VITAL-5421		A customer reported a security issue after running a security scan using Burp Suite Professional. The scan revealed that when a user attempted to log in to Vital and failed, the response returned by Vital included the attempted password in plain text. This is fixed in Vital 8.1 SP1. In this situation, the attempted password data does not appear in the response that Vital returns.
VITAL-5441		In previous versions, when you attempted to generate a citation and an error occurred, Vital sometimes output detailed error messages that included stack traces or exposed file locations on the server. This is fixed in Vital 8.1 SP1. Vital no longer outputs detailed error messages when errors occur.

FIXED BUGS

ID	Netsuite	Release Note
VITAL-5425		When Vital was running with HTTPS, links that contained non-ASCII characters failed to return results. This is fixed in Vital 8.1 SP1.
VITAL-5465		When you attempted to start a Vital 8.1 Docker container, a problem occurred if you specified an IP address instead of a hostname in the following line of the Docker run command: `-e "VITAL_HOSTNAME=localhost" \` If you executed the run command with this environment variable set to an IP address, two different lines in the **vital.properties** file were corrupted. This is fixed in Vital 8.1 SP1. It is now possible to specify either a hostname or an IP address in the `VITAL_HOSTNAME` environment variable of the Docker run command.
VITAL-5182		When you edited indexing rules via the Indexing Configuration page in the administrative interface, Vital added unnecessary carriage return characters to the indexing.xml configuration file. This is fixed in Vital 8.1 SP1.
VITAL-5456		A problem occurred when a site name included an ampersand ("&") character. If you attempted to navigate to the site via the Change Site setting, Vital would invisibly redirect you to the GlobalView instead of directing you to the site you selected. In addition, the site name was truncated in the navigation bar at the top of the Vital screen. These problems are fixed in Vital 8.1 SP1.
VITAL-5463	19037691	A problem occurred when you attempted to add an external or redirect datastream with a file size larger than 2.1 GB. An error ("java.lang.RuntimeException: java.util.NoSuchElementException") occurred when you clicked the Continue button on the first Add Datastream page. This is fixed in Vital 8.1 SP1.
VITAL-5434		A problem occurred when you viewed an object in GlobalView and then navigated to the Sign In page, selected a site other than GlobalView, and logged in. Vital would successfully log you in, but you would remain in GlobalView instead of the user interface (and the site_name URL parameter) reflecting the site you selected on the Sign In page. This is fixed in Vital 8.1 SP1.

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VITAL-5443		A display problem occurred when you attempted to view the list of saved quick collections in mobile view (i.e., on a mobile device or with your browser window reduced to a small size). This is fixed in Vital 8.1 SP1. When you view the Quick Collections page in mobile view, Vital now correctly displays either the list of saved quick collections or a "No saved quick collections found" message (if no saved quick collections exist).
VITAL-5445		The sample batch configuration file shipped with Vital (**config.xml**) contained one line with mismatched opening and closing tags. This is fixed in Vital 8.1 SP1. The corrected line in the file now reads: `<XmlRecordsXPath>//*/marc:record</XmlRecordsXPath>` Note that if you are migrating to Vital 8.1 SP1 from an older version of Vital, version 8.1 batch load configuration files are migrated to 8.1 SP1 by the migration script. This means that if you are migrating from an older version, you must manually edit **config.xml** if you want to correct this line of the file.