MITRATECH

TeamConnect 6.1 Release Notes

This document details the new features, changes, resolved issues, and known issues that are included in TeamConnect 6.1.

System Requirements

Before you begin to install TeamConnect 6.1, ensure that your system meets the requirements. For a full list of requirements, refer to the Installation Requirements in the Installation Guide.

The following versions of TeamConnect can be upgraded to TeamConnect 6.1:

- TeamConnect 5.0
- TeamConnect 5.0.1 and 5.0.2
- TeamConnect 5.1
- TeamConnect 5.2 and 5.2.1
- TeamConnect 6.0 and 6.0.2

TeamConnect 6.1 is designed to pair with the following versions of modules (notes below reflect the available versions as of the TeamConnect 6 release date):

- AP Link 5.0
- CSM 6.1
- Data Warehouse 5.0.1, 5.1
- Financial Management 5.0.1
- Legal Matter Management 5.0.1
- Office Suite 2.2, 3.0, and 3.1
- Screen Designer 5.2
- Service of Process (SOP) Manager 5.1

The following changes to the system requirements should be noted for both new installations and upgraded instances:

- Users must upgrade to Java 8 (JDK 1.8) for TeamConnect to function. More information on setting the appropriate path and installing JDK 1.8 can be found in the Java documentation here.
- Refer to the TeamConnect Third-Party Support Matrix to verify supported versions of databases, java application servers, and operating systems.

- TeamConnect 6 supports Oracle 12c RC1 and 12C RC2, or SQL 2016 and 2017.
- Starting with TeamConnect 6, the following versions of software are no longer supported and must be upgraded:
  - Websphere 8.5.5
  - Tomcat 7.0
  - Microsoft Office 2010
- Users with Elasticsearch 1.7.4 (as used in TC 5.0.x and earlier) upgrade to Elasticsearch 5.3.0. Upgrading Elasticsearch will require users to re-index their instance.

Enhancements

Elasticsearch

Improved Indexing Performance

- To enhance performance, TeamConnect now using one index per object instead of one index for all objects. Benefits include:
  - Users can now search on the previously indexed data while an index is being rebuilt. If a user searches on an object while that object is being indexed, a message will warn the user that the most recent additions to the index may not be immediately available.
  - Rebuilding the index is faster.
- To improve the speed of indexing, TeamConnect 6.1 now uses an optimized method of sending data to Elasticsearch which eliminates a bottleneck on the TeamConnect side.

Important: Due to the changes in the indexing structure, read the **Upgrade Considerations** to make sure the proper steps are taken to update the index correctly.
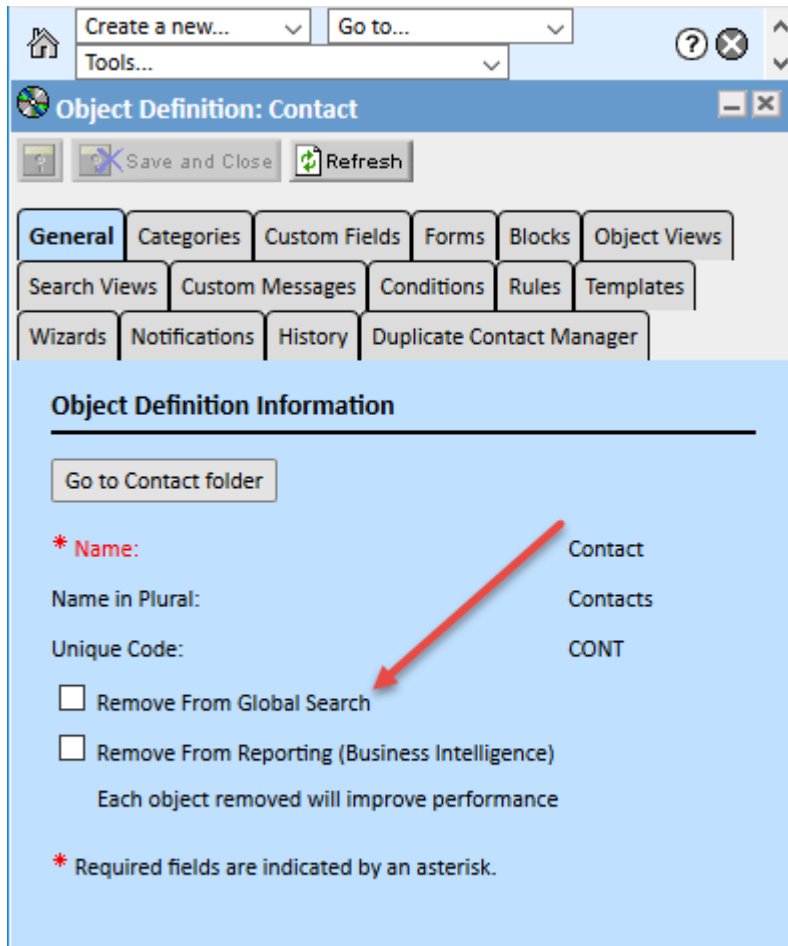
New Global Search Log

When set to debug, the new **Global Search** log includes what messages are sent between Elasticsearch and TeamConnect, when the message is sent, what is in the message (request), and what is returned. This log records all messages regarding Elasticsearch, searches, and indexing, including information sent from TeamConnect to Elasticsearch. Due to the large amount of data stored in this log, it is only intended to be used for short periods of time.

Global Search Index Tool Health Monitor

A number of enhancements have been added to the Health Monitor on the Global Search Index Tool:

- Objects that are marked "Remove from Global Search" in the Setup Tool no longer appear in the Global Search Index Tool.

- The Global Search Index Tool features new columns to show the status of mapped objects and the progress of indexing:

  - **Updated Mappings** - A dot in this column indicates that new fields have been added to the object, but the fields have not yet been mapped. To update the mapping, select the checkbox for the object and click the **Update Selected Mappings** button.

  - **Records Processed** - This column displays the number of records that have been indexed, updated periodically during the indexing.

  - **Initial Record Count** - This column displays the number of records for the object, populated when indexing starts.

  - **Percentage Complete** - This column displays the percentage of records that have been indexed during the current process.

	Updated Mapping	Object Name	Started	Finished	Status	Records Processed	Initial Record Count	Percentage Complete
☐		Advice And Counsel			Not Indexed			
☐		Contacts	Mon Jan 21 07:39:02 CST 2019	Mon Jan 21 07:39:06 CST 2019	Indexed	1410	1410	100
☐		Cost Center Mappings			Not Indexed			
☐		Cost Centers (Obsolete)			Not Indexed			

These values are sent to the STATUS index in Elasticsearch every 60 seconds. To update the status, click the **Refresh Status** button that appears when objects are being indexed.

Enhancements for Custom Fields

In previous versions, in order for new custom fields to be included in search results, the entire index had to be rebuilt. Now, users only need to update the Elasticsearch custom field mappings by selecting the objects and clicking a button on the Global Search Index Tool.

Object Views

Object views for system blocks can now be created for Groups, Users, and Admin Settings in the Setup tool.

Upgrade Considerations

This release requires particular steps to be taken for upgrading Elasticsearch (Global Search) and TeamConnect Business Intelligence.

TeamConnect Business Intelligence

If you have a previous installation of TeamConnect Business Intelligence, follow the specific instructions for upgrading found in [Upgrading to TeamConnect Business Intelligence 6.1](#).

Elasticsearch

Important: The following steps must be incorporated into the upgrade process in order for Global Search to perform properly.

- **Search Indexes** - Due to changes in the Elasticsearch index structure from one index for all objects to one index per object, the index needs to be deleted and rebuilt using this process and timeline:
    - **Before** starting the upgrade process:
        - Delete the existing index from the pre-6.1 version of TeamConnect.
        - Delete the records from the Y_RECORD_CHANGE table if any exist.
    - **After** the TeamConnect upgrade is complete:
        - Build the index for each object using the Global Search Index Tool.
- **Search Guard** - In TeamConnect 6.0 and earlier versions, the "ElasticSearchUUID" system setting is stored in the database and the UUID value is the name of the index. The new TeamConnect 6.1 naming convention for the indices is in the format *UUID-[uniqueCode for object]*. For example, index name for Contacts will be *UUID-cont*. Existing clients with Search Guard must do the following:
    - Since these configurations added the index name (the UUID from the database) to their certificate on the node, update the certificate to include a wildcard after the UUID name.
    - In the SG_ROLES.YML file, the index name under each role refer to the ElasticsearchUUID from the database. At the end of the index name, add an asterisk at the end of the name, before the closing single quote.

Module and Integration Upgrades

TeamConnect 6.1 coincides with the release of the following modules and intetrations:

- [Office Suite 3.1](#)
- [Collaborati Spend Management 6.1](#)
- [TeamConnect Business Intelligence 6.1](#)

Resolved Issues

- **Issue Description:** Global Search did not index on a schedule properly.
  Internal Tracking Code: TC-24706
  Salesforce Case: 2018-1218-496624

- **Issue Description:** HTML tags appeared on the screen when user tried to reset their password.
  Internal Tracking Code: TC-22470,
  Salesforce Case: 2018-1016-483666

Known Issues

The following items are known TeamConnect Enterprise 6.1 limitations.

- When a user selects all on the user/membership group page and clicks **Remove** at the bottom of the table, the secured items should remain but they disappear until the user clicks **Save**.

- **Tracking code:** TC-24521

- If the connection to the Elasticsearch server is broken, TeamConnect considers the objects to be "not indexed" and does not show any search results. If users are not getting any search results, make sure the connection to the Elasticsearch server is not broken or restart the server.
  Tracking code: TC-25602

- Due to the way gmail processes line breaks in formatted text, gmail users are unable to approve an invoice using the approval link they receive in emails.
  Workaround: Login and approve invoices from TeamConnect. Alternatively, change the email settings to Plain Text mode before clicking the approval link.
  Tracking code: TC-20043

- During TeamConnect upgrades, Oracle database upgrade scripts fail on Oracle 12c Enterprise edition if the table space was created with compressed tables because the Add/Drop column scripts cannot be performed on compressed tables.

- **Workaround:** The script works when Compression is disabled, so run the script to disable Compression for the tables before running the upgrade script.
  Tracking code: TC-19917

- If using Microsoft Internet Explorer 11 in Compatibility View, users cannot access the **Setup** tool.
  Tracking code: TC-25762