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NetSuite Role Permissions Guide

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Introduction

User access to NetSuite is governed by roles and permissions. Solution 7 is also bound by NetSuite roles and permissions to ensure that Solution 7 users can only access the NetSuite data their NetSuite role allows.

When configuring roles and permissions for Solution 7, Administrators can either add permissions to existing NetSuite roles or create new roles.

This guide explains how to:

- Create a custom NetSuite role for Solution 7 users
- Assign a role to a NetSuite user
- Configure Solution 7 to use a specific NetSuite role
- Apply the role permissions required by Solution 7
- Custom segment settings required by Solution 7

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Important Information for NetSuite Administrators

When connecting to NetSuite, Solution 7 relies on two distinct technologies: SuiteAnalytics Connect (ODBC) for reporting and SuiteTalk (web services) for license management and the budget upload feature.

Mandatory 2FA and Highly Privileged Roles

Unfortunately, neither SuiteAnalytics Connect (ODBC) or SuiteTalk (Web Services) support 2FA. Solution 7 must therefore be configured to connect to NetSuite using a role that does not enforce 2FA.

With the release of NetSuite 2019.1, NetSuite made two-factor authentication (2FA) mandatory for all highly privileged NetSuite roles including 'Administrator' and 'Full Access'.

Token-based Authentication

In Solution 7 4.11 and earlier, SuiteAnalytics Connect (ODBC) and SuiteTalk (Web Services) is not compatible with Token-based Authentication.

In Solution 7 4.12 and later, SuiteTalk (Web Services) requires Token-based Authentication to be enabled in NetSuite.

Single Sign-on

SuiteAnalytics Connect (ODBC) is not compatible with Single Sign-on (SSO), therefore Solution 7 cannot be configured to use a role that requires SSO. However, users can be assigned a non-SSO role exclusively for Solution 7 reporting.

Role Management

Solution 7 supplies a custom NetSuite role in our 'Solution 7 – Excel Financial Reporting' bundle. This role can be used as is or customized to fulfil a user's requirement. If you would prefer to create your own role, please refer to 'NetSuite Role Permissions Required by Solution 7' later in this guide for a list of permissions that impact Solution 7.

Note:

If you have any questions about 2FA, Token-based Authentication, SSO or need help configuring Solution 7, please email support@solution7.co.uk.

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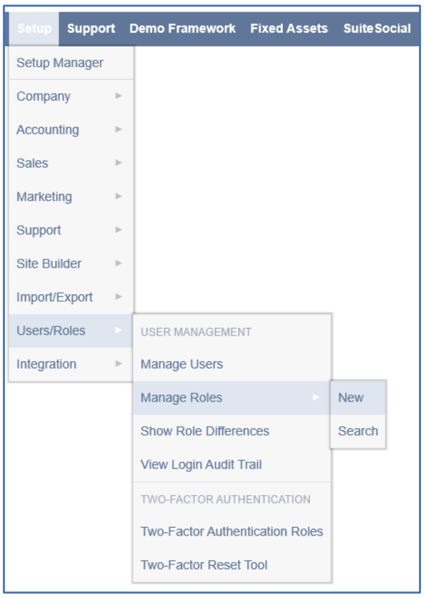
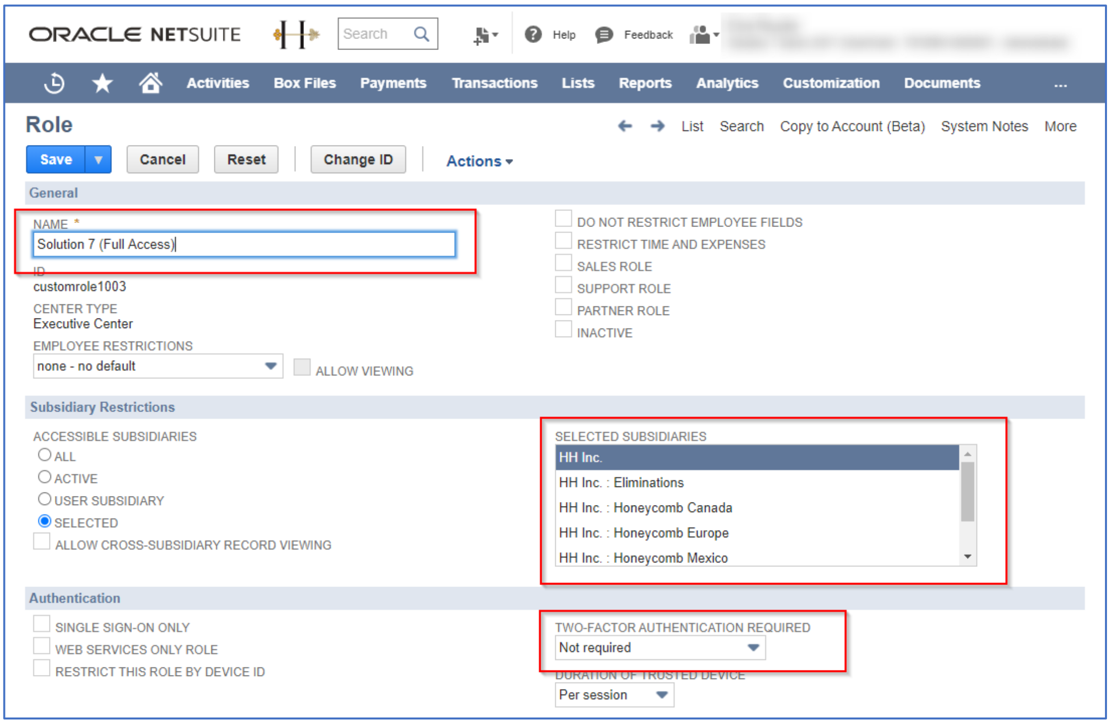
Creating a Custom NetSuite Role for Solution 7

To create a custom role:

1. Log in to NetSuite as an Administrator.
2. Select Setup > Users/Roles > Manage Roles > New



3. Name the new role 'Solution 7 (Full Access)' or choose your own role name.
4. If you are using NetSuite OneWorld, select the necessary Subsidiaries users of this role will need access to.
5. Ensure Two Factor Authentication is set to 'Not required'.



6. Apply the necessary role permissions.
7. Click Save.

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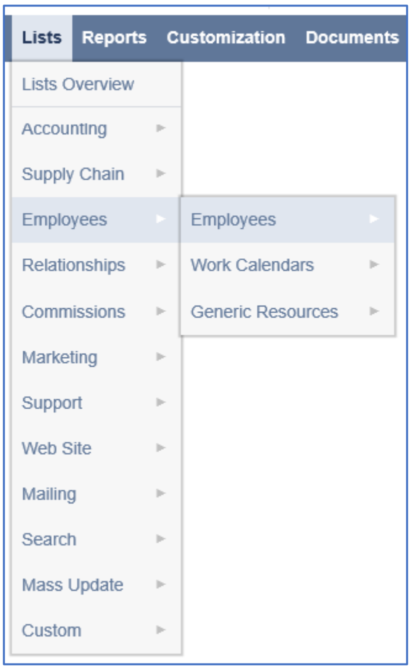
Assigning a Role to a NetSuite User

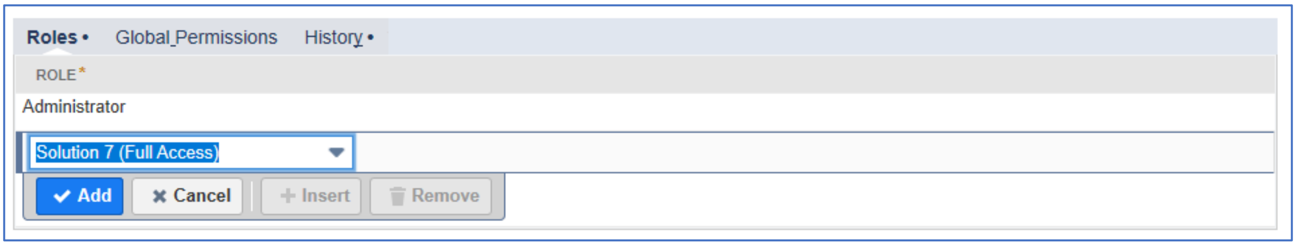
To assign a role to an existing NetSuite user:

1. Log in to NetSuite using an Administrator role.
2. Select Lists > Employees > Employees



3. Click Edit for each Employee that uses Solution 7.

4. On the Employee page, select the Access tab.
5. Add the role to each Employee.



6. Click Save.

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Configuring Solution 7 to use a Specific NetSuite Role

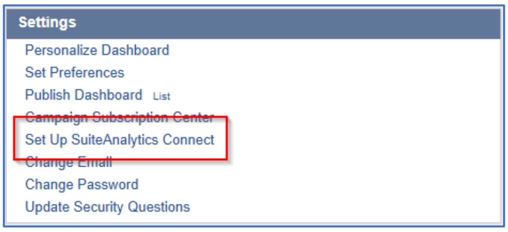
Solution 7 must be configured to use a specific NetSuite Role ID. To configure Solution 7 to use a specific role you must:

- Find the Role ID in NetSuite.
- Set the Role ID in Solution 7.

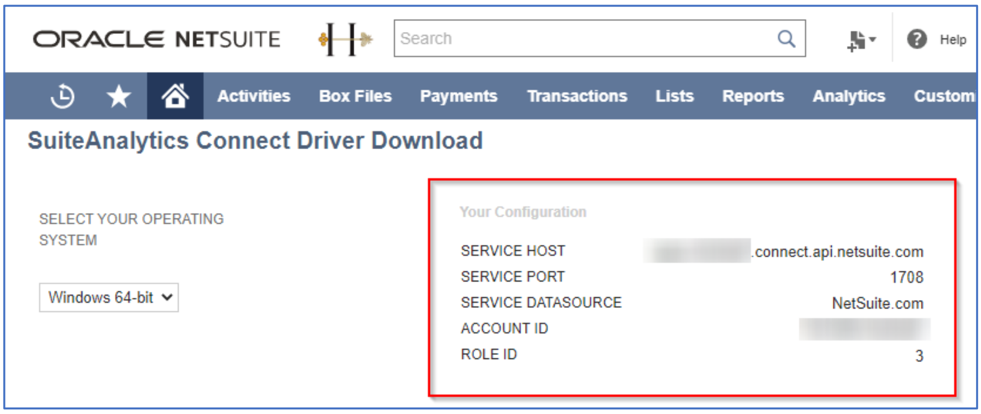
Finding a Role ID in NetSuite

To find a Role ID in NetSuite:

1. Log in to NetSuite using the created role.
2. In the Settings portlet, click Set Up SuiteAnalytics Connect.



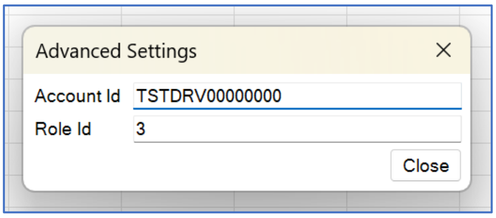
3. The Role ID will be displayed on the SuiteAnalytics Connect Driver Download page.



Setting the NetSuite Role ID within Solution 7

To set a specific NetSuite Role ID within Solution 7:

1. From the Microsoft Excel ribbon, select Solution 7 > Configure.
2. On the 'System Configuration' screen, click Advanced.
3. On the 'Advanced Settings' screen, set the Role ID of the user's role.



4. Click Close.
5. Click OK.

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NetSuite Role Permissions Required by Solution 7

There are 4 sets of permissions that must be granted to a user's role to allow Solution 7 to function correctly:

- Setup Permissions
- Lists Permissions
- Transactions Permissions
- Custom Segment Permissions (for NetSuite accounts with customizations).

Simple vs. Detailed Permission Sets

For convenience, Solution 7 have defined NetSuite permission sets as either Simple or Detailed.

When applying permissions to any new role, choose from 1 of the 2 following permission sets:

- **Simple** - A reduced set of permissions that requires the 'SuiteAnalytics Connect - Read All' permission. The Simple set of permissions are quicker to apply and simpler to maintain but grant the user more access rights than the minimum permission set needed for Solution 7.

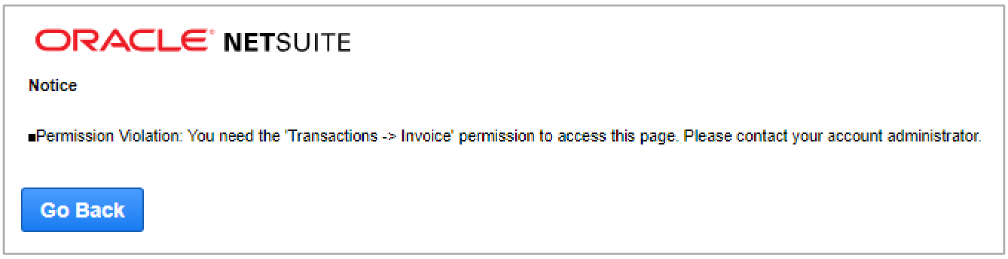
- **Detailed** - A full set of permissions which do not require 'SuiteAnalytics Connect - Read All'. As this has more permission options, the permissions can be more difficult to maintain.

Note: 'Simple' and 'Detailed' are Solution 7 terms and, as such, you will not see permissions defined as Simple or Detailed within NetSuite.

Drill Back Permissions

There are many transaction permissions that must be applied to a NetSuite role to enable the Solution 7 'Drill Back' feature to function correctly. Due to the volume of these permissions, they are not covered in this document.

When a user attempts to drill back from Excel to NetSuite and the user is missing a specific permission, the user will receive a Permission Violation error as shown below. To prevent this error from reoccurring, apply the missing permissions to each role.



Note:

When applying the role permissions, you may not see the full permission set listed in the following sections. You will only see permissions for the modules you have purchased and enabled within NetSuite. This may also be the case if a Record or Transaction has been renamed.

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Applying Role Permissions

To apply permissions to a role:

1. On the 'Role' page, select the Permissions subtab.
2. For each of the permissions listed in the following tables, find the permission in the permission drop down.
3. Set the level.
4. Click Add.
5. After applying all the necessary permissions, click Save.

Setup Permissions

To apply Setup permissions, click Setup and add each ticked permission in the following table:

Setup Permissions Table (1 of 1)

Permission	Simple	Detailed	Level
Accounting Book	✓	✓	View
Accounting Lists	✓	✓	View
Custom Record Types	✓	✓	View
Custom Segments	✓	✓	View
Manage Accounting Periods	✓	✓	View
Other Custom Fields	✓	✓	View
SOAP Web Services	✓	✓	Full
View SOAP Web Services Logs	✓	✓	Full
SuiteAnalytics Connect	✓	✓	Full
SuiteAnalytics Connect - Read All	✓		Full
User Access Tokens	✓	✓	Full

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Lists Permissions

To apply Lists permissions, click Lists and add each ticked permission in the following table:

Lists Permissions Table (1 of 2)

Permission	Simple	Detailed	Level
Accounts	✓	✓	View
Accounts Payable Register		✓	View
Accounts Receivable Register		✓	View
Amortization Schedules		✓	View
Bank Account Registers		✓	View
Classes	✓	✓	View
Contact Roles		✓	View
Cost of Goods Sold Registers		✓	View
Credit Card Registers		✓	View
Currency		✓	View
Customers	✓	✓	View
Deferred Expense Registers		✓	View
Deferred Revenue Registers		✓	View
Departments	✓	✓	View
Employee Record	✓	✓	View
Employees		✓	View
Entity-Subsidiary relationship		✓	View
Equity Registers		✓	View
Expense Registers		✓	View
Fiscal Calendars		✓	View
Fixed Asset Registers		✓	View
Income Registers		✓	View
Items	✓	✓	View
Locations	✓	✓	View
Long Term Liability Registers		✓	View
Memorized Transactions		✓	View
Non-Posting Registers		✓	View
Other Asset Registers		✓	View
Other Current Asset Registers		✓	View

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Lists Permissions Table (2 of 2)

Permission	Simple	Detailed	Level
Other Current Liability Registers		✓	View
Other Expense Registers		✓	View
Other Income Registers		✓	View
Perform Search		✓	View
Projects	✓	✓	View
Revenue Recognition Schedules		✓	View
Statistical Account Registers		✓	View
Subsidiaries	✓	✓	View
Unbilled Receivable Registers		✓	View
Units		✓	View
Vendors		✓	View

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Transactions Permissions

To apply Transactions permissions, click Transactions and add each ticked permission in the following 3 tables:

Transactions Permissions Table (1 of 4)

Permission	Simple	Detailed	Level
Set Up Budgets	✓	✓	Full
Access Payment Audit Log		✓	View
Adjust Inventory		✓	View
Adjust Inventory Worksheet		✓	View
Approve EFT		✓	View
Approve Online Bill Payments		✓	View
Approve Vendor Payments		✓	View
Audit Trail		✓	View
Bill Purchase Orders		✓	View
Bills		✓	View
Bin Putaway Worksheet		✓	View
Bin Transfer		✓	View
Blanket Purchase Order		✓	View
Blanket Purchase Order Approval		✓	View
Build Assemblies		✓	View
Calculate Time		✓	View
Cash Sale		✓	View
Cash Sale Refund		✓	View
Check		✓	View
Copy Budgets		✓	View
Count Inventory		✓	View
Create Allocation Schedules		✓	View
Create Inventory Counts		✓	View
Credit Card		✓	View
Credit Card Refund		✓	View
Credit Memo		✓	View
Credit Returns		✓	View
Currency Revaluation		✓	View

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Transactions Permissions Table (2 of 4)

Permission	Simple	Detailed	Level
Customer Deposit		✓	View
Customer Payment		✓	View
Customer Refund		✓	View
Deposit		✓	View
Deposit Application		✓	View
Distribute Inventory		✓	View
EFT Status		✓	View
Edit Forecast		✓	View
Edit Manager Forecast		✓	View
Employee Commission Transaction		✓	View
Employee Commission Transaction Approval		✓	View
Enter Completions		✓	View
Enter Opening Balances		✓	View
Enter Vendor Credits		✓	View
Establish Quotas		✓	View
Expense Report		✓	View
Finance Charge		✓	View
Find Transaction		✓	View
Fulfil Orders		✓	View
Generate Price Lists		✓	View
Generate Statements		✓	View
Import Online Banking File		✓	View
Import Online Banking (QIF) File		✓	View
Individual Paycheck		✓	View
Invoice		✓	View
Invoice Approval		✓	View
Invoice Sales Orders		✓	View
Issue Components		✓	View
Item Receipt		✓	View
Item Fulfilment		✓	View
Journal Approval		✓	View
Make Journal Entry		✓	View
Mark Work Orders Built		✓	View
Mark Work Orders Firmed		✓	View
Opportunity		✓	View
Override Payment Hold		✓	View
Partner Commission Transaction		✓	View

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Transactions Permissions Table (3 of 4)

Permission	Simple	Detailed	Level
Partner Commission Transaction Approval		✓	View
Pay Bills		✓	View
Pay Sales Tax		✓	View
Pay Tax Liability		✓	View
Paycheck Journal		✓	View
Payroll Liability Payments		✓	View
Post Vendor Bill Variances		✓	View
Posting Period on Transactions		✓	View
Process GST Refund		✓	View
Purchase Contract		✓	View
Purchase Contract Approval		✓	View
Purchase Order		✓	View
Estimate		✓	View
Quote		✓	View
Receive Order		✓	View
Receive Returns		✓	View
Reconcile		✓	View
Refund Returns		✓	View
Return Auth. Approval		✓	View
Return Authorization		✓	View
Requisition		✓	View
Requisition Approval		✓	View
Revalue Inventory Cost		✓	View
Sales Order		✓	View
Sales Order Approval		✓	View
Statement Charge		✓	View
Timer		✓	View
Track Time		✓	View
Transfer Funds		✓	View
Transfer Inventory		✓	View
Transfer Order		✓	View
Unbuild Assemblies		✓	View
Vendor Return Auth. Approval		✓	View
Vendor Return Authorization		✓	View
Vendor Returns		✓	View
View Gateway Asynchronous Notifications		✓	View
View Online Bill Pay Status		✓	View

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Transactions Permissions Table (4 of 4)

Permission	Simple	Detailed	Level
View Payment Events		✓	View
Work Order		✓	View
Work Order Close		✓	View
Work Order Completion		✓	View
Work Order Issue		✓	View

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Working with Customisations

Working with NetSuite custom segments, fields and records in Solution 7 requires a custom adapter file to be provided by the Solution 7 team. For more information contact support@solution7.co.uk.

There is 1 permission set which must be granted to a user's role when working with custom segments:

- Setup Permissions

Setup Permissions

To apply Setup permissions, click Setup and add each ticked permission in the following table:

Setup Permissions Table (1 of 1)

Permission	Simple	Detailed	Level
Custom Body Fields	✓	✓	View
Custom Column Fields	✓	✓	View
Custom Entity Fields	✓	✓	View
Custom Fields	✓	✓	View
Custom Item Fields	✓	✓	View
Custom Lists	✓	✓	View
Custom Record Types	✓	✓	View
Custom Segments	✓	✓	View
Custom Transaction Fields	✓	✓	View
Custom Transaction Types	✓	✓	View
Other Custom Fields	✓	✓	View
Other Lists	✓	✓	View

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Working with Custom Segments

Working with NetSuite custom segments, fields and records in Solution 7 requires a custom adapter file to be provided by the Solution 7 team. For more information contact support@solution7.co.uk.

There are 2 permission sets which must be granted to a user's role when working with custom segments:

- Setup Permissions
- Custom Record Permissions

Setup Permissions

To apply Setup permissions, click Setup and add each ticked permission in the following table:

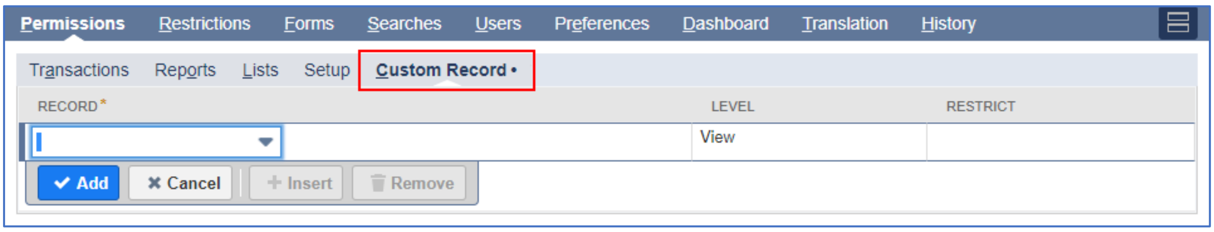
Setup Permissions Table (1 of 1)

Permission	Simple	Detailed	Level
Custom Record Types	✓	✓	View
Custom Segments	✓	✓	View
Other Custom Fields	✓	✓	View

Custom Record Permissions

To apply custom segment permissions:

1. Click Custom Record.
2. Find the custom segment(s) from the drop-down menu.
3. Set the level to "View".
4. Click Add.
5. Click Save.



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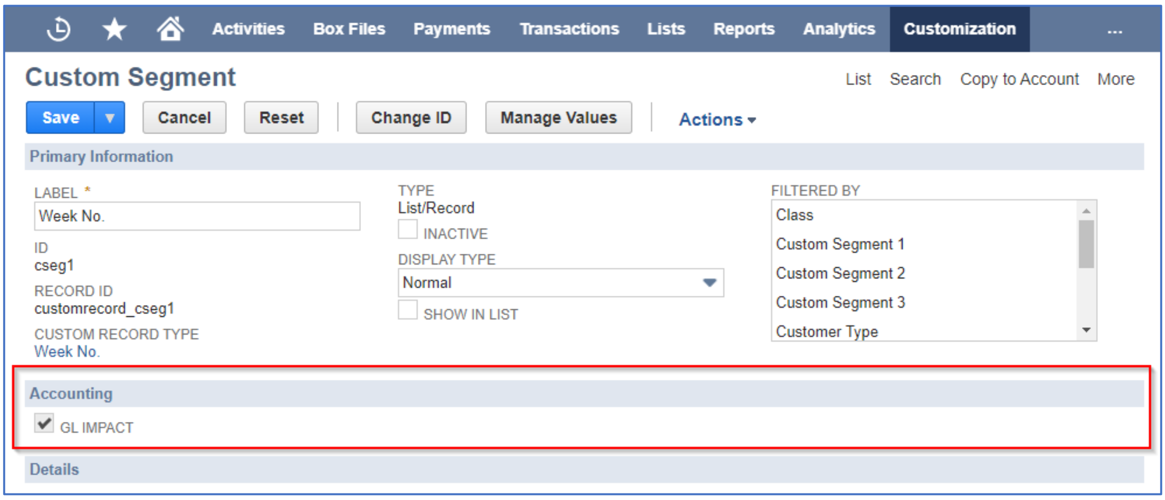
Budgeting by Custom Segment

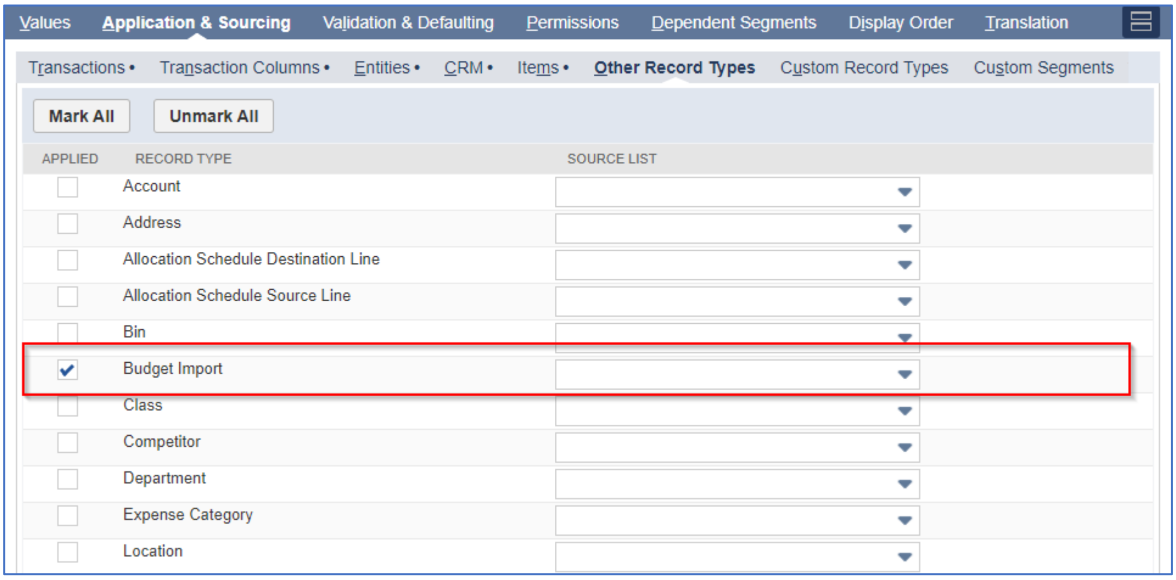
Working with NetSuite custom segments, fields and records in Solution 7 requires a custom adapter file to be provided by the Solution 7 team. For more information contact support@solution7.co.uk.

To enable NetSuite budgeting by a custom segment:

1. Login to NetSuite using an Administrator role.
2. Select Customization > Lists, Records, & Fields > Custom Segments
3. Click 'Edit' on the custom segment(s) you wish to see in Solution 7.
4. From the Accounting section, tick GL Impact.



5. Select Application & Sourcing > Other Record Types
6. From the list, tick Budget Import.



6. Click Save.

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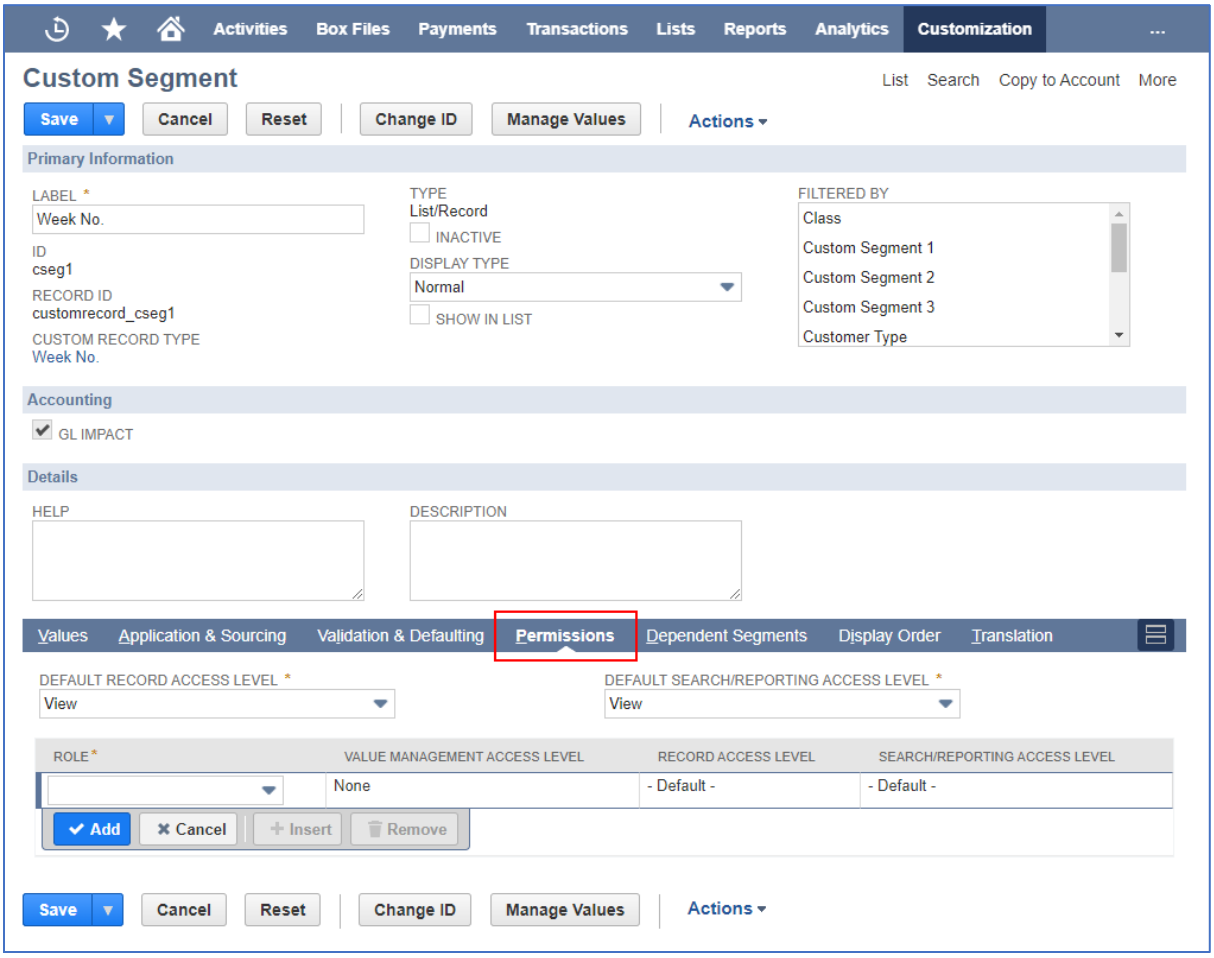
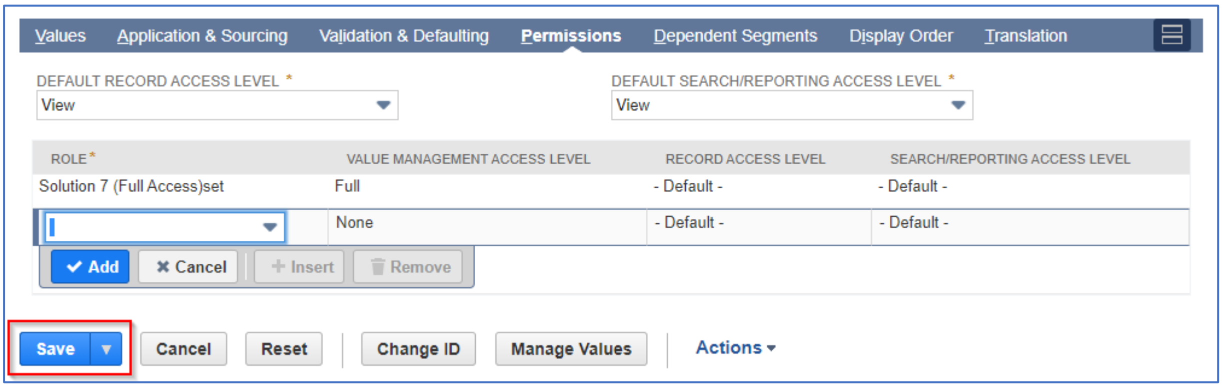
Uploading Budgets by Custom Segment

To enable a role to upload budgets by custom segments:

1. Login to NetSuite using an Administrator role.
2. Select Customization > Lists, Records, & Fields > Custom Segments
3. Click 'Edit' on the custom segment(s) you wish to enable in Solution 7 Budget Upload.
4. Select Permissions.



5. From the drop-down menu, find the relevant user role.
6. Set the Value Management Access Level to "Full".
7. Click Add.



8. Click Save.

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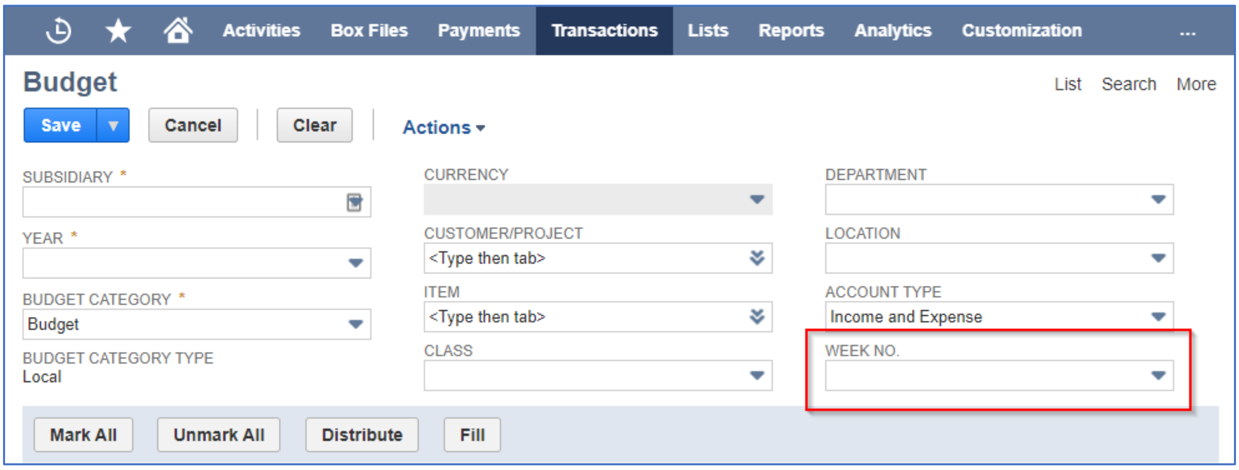
Confirming Budget Upload by Custom Segment

To confirm you can upload budgets by custom segment:

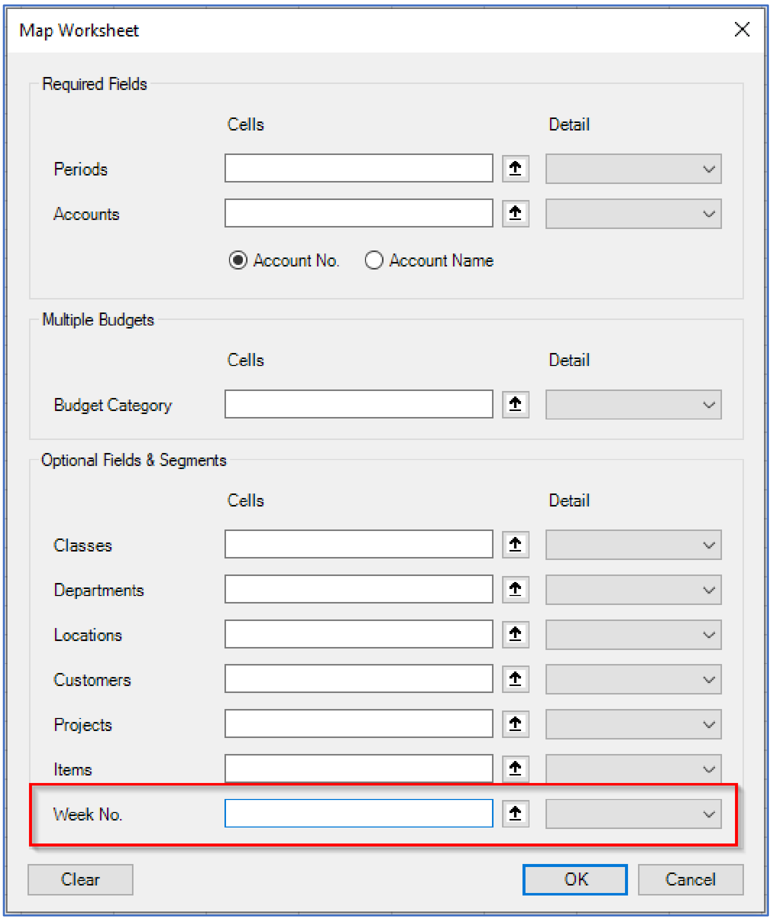
1. Login to NetSuite using an Administrator role.
2. Select Transactions > Financial > Set Up Budgets

On the 'Budget' page, you should see your custom segment appear as an optional field.



3. Open Microsoft Excel.
4. Click Solution 7 > Activate
5. From the Solution 7 ribbon, select Budgets & Forecasts > Map Worksheet

From the Map Worksheet menu, you should see your custom segment appear in Optional Fields & Segments.



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