

User Manual

Aptean Food and Beverage ERP

Scale Integration

Product Documentation



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Release notes

Article • 3/25/2026 • 1 min read

To view what's new or changed in each release of the Aptean Scale Integration extension, select the specific release version.

Date	Release version	Description
March 2026	2601.1.0.0	Stability release
February 2026	2601.0.0.0	Feature release
Novemeber 2025	2501.2.0.0	Stability release
October 2025	2501.1.0.0	Stability release
September 2025	2501.0.0.0	Feature release
May 2025	1.5.235716.0	Stability release
February 2025	1.4.213070.0	Stability release
June 2024	1.3.164842.0	Stability release
May 2024	1.2.162035.0	Stability release
April 2024	1.1.157150.0	Stability release
August 2023	1.0.111333.0	Initial release



2601.1.0.0

Release Note • 3/25/2026 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
357539	The system fails to support configuration of multiple locations with the same Scale Code field value on the Weigh Scale User Setup page.



2601.0.0.0

Release Note • 2/25/2026 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Apteian Weigh scale extension. To know more, see [What's new in Weigh Scale, version 2601.0.0.0](#).



2501.2.0.0

Release Note • 11/26/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Scale Integration extension, the translation file for the Danish (da-DK) language has been updated with standard texts for better readability.



2501.1.0.0

Release Note • 10/22/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Scale Integration extension, the translation file for the Swedish (sv-SE) language has been updated with standard texts for better readability.



2501.0.0.0

Release Note • 9/24/2025 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Apteian Weigh Scale extension. For more information, see [What's new in Weigh Scale, version 2501.0.0.0](#).



1.5.235716.0

Release Note • 5/26/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Scale Integration extension,

- The translation file for the Chinese (zh-CN) language has been added.
- The translation file for the Swedish (sv-SE) language has been updated with standard texts for better readability.



1.4.213070.0

Release Note • 2/17/2025 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
236147	The system fails to update the Scale Verification field value from <i>Verified</i> to <i>Waiting</i> on the Scales page for a newly created company. This issue occurs when the new company is created by copying an existing company.



1.3.164842.0

Release Note • 6/6/2024 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
210853	• An error occurs when changing the Scale Verification field status to <i>Verified</i> on the Scales page due to the system interchanging the values of the Scale PrintNode ID and Scale PrintNode Computer ID fields. • The Scale Company UOM Mapping page is not visible from the Role Center. • An error occurs upon executing the Get Weight action on the Test Scale Integration page.



1.2.162035.0

Release Note • 5/24/2024 • 1 min read

Enhancements/Modifications

The translation files for the following languages have been updated with standard texts for better readability.

- Swedish (sv-SE)
- Dutch (nl-NL)



1.1.157150.0

Release Note • 4/29/2024 • 1 min read

Enhancements/Modifications

With this release of the Aptean Scale Integration extension, you can use the **Conversion of API Value** toggle on the **Scale API Setup** page to ensure accurate **Output Value** field value on the **Test Scale Integration** page.

UI/UX changes

The **Conversion of API Value** toggle has been added to the **Scale API Setup** page.



1.0.111333.0

Release Note • 8/1/2023 • 1 min read

Features

With the features added in this release of the Aptean Scale Integration extension, you can:

- Set up preferred Scales and units of measurement. To know more, see [Setup](#).
- Setup Print Node application.
- Test the validity of Integrated URLs and Credentials
- Assign Scales to locations.
- Test the integration between Scales and PrintNode application.

Integrations

The Aptean **Scale Integration** extension can be used in conjunction with the Aptean [Weigh Scale](#) extension to measure the inbound documents and outbound documents by using the scales that we have set up in the Aptean Scale Integration extension.



Introduction

Article • 8/2/2023 • 1 min read

The primary goal of the Apteian Scale Integration (SCI) extension is to provide seamless integration between various measurement systems, catering to the diverse needs of users worldwide. With its global setup, this extension allows individuals and companies to effortlessly switch between the metric and imperial systems, ensuring accurate and consistent measurements. The Apteian Scale Integration extension is designed to work in conjunction with the Apteian [Weigh Scale](#) extension and several other Apteian extensions.

In the context of this environment, users have the flexibility to choose their preferred system of measurement. Furthermore, this extension aims to streamline handling measures across different systems, eliminating the need for manual conversions and minimizing errors. With its intuitive interface and customizable settings, users can effortlessly switch between the metric and imperial systems, ensuring accurate and reliable results.

The Apteian Scale Integration extension empowers individuals and organizations to work efficiently and confidently, regardless of their preferred measurement system. This extension enables businesses to directly retrieve measurements from electronic scales into Business Central. So, whether you require precise measurements in kilograms or pounds, grams or ounces, this extension provides a unified solution that meets your needs.



General setup

Article • 10/28/2024 • 1 min read

The following setups are required.

- [Manage permission sets](#)
- [Set up scale integration](#)



Manage permission sets

Article • 10/28/2024 • 3 min read

Permission sets in Business Central define a user's access level to various features and data within this extension.

We provide the following system permission sets:

- Direct
- Indirect

Direct permission sets

Users with this permission set can perform specific actions directly without requiring additional approvals or workflows. These sets include permissions to read, modify, delete, and create data.

The direct permission set ID for this extension is *SCALEINT94FDW*.

Indirect permission sets

Users with this permission set can perform specific actions. This is used in conjunction with other permission sets to allow you to perform certain actions. These permissions typically involve additional conditions or approvals before the action can be completed.

The indirect permission set ID for this extension is *SCALEINTBASIC94FDW*.

User-defined permission sets

In addition to the system permission sets we provide, you can create new permission sets or copy system permission sets and modify or delete access to specific entities according to your requirements. For more information, see [Assign permissions to users and groups](#).

Assign a permission set

1. Select the Search icon , enter **Users**, and then choose the related link.
The **Users** list page opens.
2. Navigate to the username for which you want to assign the permission set and select it.
The **User Card** page opens.
3. On the **User Permission Sets** FastTab, in the **Permission Set** field, enter the valid permission set for this extension.



Scale Integration

The associated fields are automatically updated based on the entered value. The user has the necessary permissions to use the features of the Aptean Scale Integration extension, ensuring secure and role-based access.



Set up scale integration

Article • 5/26/2025 • 7 min read

The following setup is required to be able to use the Apteian Scale Integration extension for accurate measurements with the help of electronic scales.

- Unit of Measurements
- Integration of Scales with Locations
- API setup

These setups are common for both Apteian Scale Integration and the Apteian Weight Scale extensions. To know more, see Apteian [Weigh Scale](#) extension.

Scale integration global setup

Various companies may require specific units of measurements to ensure accurate data and weight calculation output associated with their products. To address this need, you can configure and categorize the appropriate scales that are applicable to your company location or product type. The following procedures describe how to perform this activity.

1. Select the Search icon , enter **Scale Setup UOM**, and then choose the related link.
The **Scale Setup UOM** page opens.
2. On the action bar, select **Generate Default Data** function.
The dialog box opens.
3. Click **OK**.
The system displays the **Group Code**, **Verification report**, and **Status for default Scales** on the **Scale Setup UOM** page.
4. Select the preferred scale from the **Group Code** field to set up the details for the scale.
The **Scale Company UOM Mapping** page opens.
5. On the **Scale Company UOM Mapping** page, select the **Edit List** action and fill in the below details to configure the preferred scales.

Field	Description
Company UOM	Specifies the code indicating the unit of measure used by the specific company. For example, different companies may use different symbols or terms to define the unit of measure.
Company UOM Description	Specifies the description of the Company UOM.



Measure Conversion per Unit

Specifies the conversion between different units of measurement defined on the same group for a particular quantity. For example, 1 kg can be represented as 0.001 grams.

6. Select the **Edit List** action on the **Scale Setup UOM** page and change the value of the **Verification** field and **Status** field into *Verified* and *Active*, respectively.

 Note

Only the unit of measure group with the **Status** field value active will reflect be used in the measure from the scales.

Scale integration location setup

You can assign the scales that are set up on the Scale page to the different warehouse locations of the company. The following procedures describe how to perform this activity.

1. Select the Search icon , enter **Location Scale Integration Setup**, and then choose the related link.
The **Location Scale Integration Setup** page opens.
2. On the **Location Scale Integration Setup** page, select **New**.
The **Location Scale Integration Setup** creates a new line.
3. Fill in the **Location Code** with the location of the company to which you want to assign a scale. For more information, see [Scales Assignments](#).
4. On the **Scale Code** field, select the scale which has to be assigned to the location of the company specified on the **Location Code**.

 Note

You cannot assign one scale more than once.

Scale integration PrintNode configuration setup

PrintNode is available for desktops and various operating systems. You can log in by entering your credentials, thereby connecting your computer to the print node site.

1. Download the PrintNode app or go to www.printnode.com.
2. Log in to the site using your credentials.



3. On the site, computers that have downloaded the app with the same credentials will be listed individually (e.g., computer 1, computer 2).
4. Additionally, when a scale is connected to your computer using a USB cable, it will be displayed in the scales section. For more information, see [Scale and Printer Setup](#).

Note

To view the list of supported scales, see [Supported Scales](#).

Scale API setup

You can check the validity of the integrated URL and credentials. The following procedures describe how to perform this activity.

1. Select the Search icon , enter **Scale API Setup**, and then choose the related link.
The **Scale API Setup** page opens.
2. On the **API Service** FastTab, select the **Service Provider** from the dropdown.
3. On the **General** FastTab, fill in the required fields.

Field	Description
API Email	Specifies the email account used to sign into the PrintNode application.
API Password	Specifies the password used to sign into the PrintNode application.
API URL	Specifies the URL used to open the PrintNode application.
API Key	Specifies the API key user has generated through API key menu action on PrintNode application.
Enable	Specifies if the user wants the API Setup to be enabled.
Health Check Status	Specifies the Health status of the URL.
Conversion of API Value	Specifies whether the PrintNode API shared value is divided by a billion.

Note

Upon selecting **Actions > Get Default URL**, the system fills the **API URL** field value automatically.



4. After providing the **API URL**, you can check the validity of the URL by selecting **Health Check** from the action bar.
 - If the provided URL is valid, the **Health Check Status** field value will show as *Up*.
 - If the provided URL is invalid, the **Health Check Status** field value will show as *Down*.
5. To authenticate the API credentials, you can select the **Check Credentials** action.



Scales assignments

Article • 8/1/2023 • 2 min read

With this feature you can assign new scales to your company. Every Scale acquires a unique combination created based on PrintNode IDs and devices connected to the scale. The following procedures describe how to perform this activity.

1. Select the Search icon , enter **Scales**, and then choose the related link.

The **Scales** page opens.

2. On the **Scales** page, select **New**.

The system adds a new line.

3. Fill in the below mentioned fields:

Field	Description
Code	Specifies the code assigned to the selected scale.
Description	Specifies the description of the selected scale.
Scale PrintNode ID	Specifies the unique ID assigned to the scale in the PrintNode application.
Scale Device name	Specifies the device/system name where the scale has been used by the PrintNode application.
Scale PrintNode Computer ID	Specifies the unique ID assigned to the computer by the PrintNode application.
Scale Verification	Specifies the status of the scale and authenticates the data entered on this page. Initially, when data is entered, the field displays <i>Waiting</i> to indicate that the information is pending verification. However, if you modify the field value to <i>Verified</i> , the system will proceed to validate the combination of the Scale PrintNode ID, Scale Device Name, and Scale PrintNode Computer ID field values within the PrintNode application.

The values in the **Scale PrintNode ID**, **Scale Device Name**, and **Scale PrintNode Computer ID** fields can be extracted from the PrintNode application. To set up the PrintNode application, see [PrintNode Setup](#).



Test scale integrations

Article • 8/1/2023 • 2 min read

With this feature, you can test the Scale integration with the print node application. It authenticates the credentials, and based on the validity of the credentials, it generates output. The following procedures describe how to perform this activity.

1. Select the Search icon , enter **Test Scale Integration**, and then choose the related link.

The **Test Scale Integration** page opens.

2. On the **Input** FastTab, choose the **Location Code**, **Scale Code**, and **Unit of Measure** from the dropdown.

3. On the action bar, select **Actions > Create Virtual Scale**.

The system displays a dialog box confirming the creation of a temporary virtual scale in the service provider.

4. Select the **Get weight** action from the action bar.

On the **Output** FastTab, the system will provide the calculated quantity for the specific company warehouse location using the scale UOM in the **Output Value** field.

Note

You can check the validity of the API URL retrieved from the service provider, by selecting **Actions > Health Check** from the action bar on the **Test Scale Integration** page.



Scale integration logs

Article • 7/19/2023 • 4 min read

You can view all the requests generated by the system when the user creates output using the **Get weight** function on the [Test Scale Integration](#) page. The following procedures describe how to perform this activity.

1. Select the Search icon , enter **Scale Integration Logs**, and then choose the related link.
The **Scale Integration Logs** page opens.
2. The system displays log entries. The log table holds information regarding the request and the response from the PrintNode.
3. All the fields of this page are populated when the **Get Weight** function is used on the **Test Scale Integration** page.
4. In the request, you can see the time and for which document type and number the **Get Weight** function was initiated.
5. On the action bar, select **Download Return Package** to download the Json formatted response file with detailed information associated with the request.
6. Select the required **Entry No.** to open the **Scale Integration Log** page.

The **Scale Integration Log** page is not editable and displays the details of the specific scale integration.

On the **General** FastTab, you can view the following fields:

Field	Description
Scale Code	Specifies a code for the Scale for which the Get weight function was executed.
Location Code	Specifies a code for the location for which the Get weight function was executed.

On the **Request** FastTab, you can view the following fields:

Field	Description
Request Document No.	Specifies the number assigned to the document according to the specified number series.
Request Document Type	Specifies the type of document for which the request is generated.
Request Document Line No.	Specifies a unique number that has been assigned to the line items associated with the document.
Request Source Field	Specifies the source number of the document from where the request was made.



Request Date/Time	Specifies the date and time when the request was generated.
Request Scale URL	Specifies the request URL.
Request User ID	Specifies the ID of the user who generated the request to be used, for example, in the Scale Integration log.

On the **Response** FastTab, you can view the following fields:

Field	Description
Return HTTP Response Code	Specifies the numerical code that indicates the server's response to the request. For example, a code of 200 means the request was successful, while a code of 404 indicates the requested resource was not found.
Return HTTP Response Text	Specifies the descriptive text that accompanies the Return HTTP response code. It provides further details about the server's response, for example, 'OK' for a code of 200 or 'Not Found' for a code of 404.
Return measurement	Specifies the numerical value measured for the specified location using the assigned scale.
Return Package File Name	Specifies the name assigned to the output file.
Return Unit of Measure	Specifies the unit of measure for the calculated output.
Return Date/Time	Specifies the date and time when the output was generated for the specific request.

Note

To view more details, you can download the response Json file from the **Return Package File Name** field.



Integrations

Article • 9/24/2025 • 1 min read

The Aptean Scale Integration extension has been integrated with the following extension:

- [Aptean Weigh Scale](#)



Aptean Weigh Scale

Article • 9/24/2025 • 1 min read

When the Aptean Scale Integration extension is used in conjunction with the the Aptean [Weigh Scale](#) extension, the system uses seamless scale connectivity to capture accurate weight measurements.

