

User Manual

Aptean Food and Beverage ERP

Circuit Breaker

Product Documentation



Contents

- [Release notes](#)
- [1.5.178699.0](#)
 - [1.4.58070.0](#)
- [Introduction](#)
- [Setup](#)
- [Manage permission sets](#)
 - [Set up circuit breaker](#)
- [Job queue entries](#)



Release notes

Article • 8/26/2023 • 1 min read

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

Date	Release version	Description
August 2024	1.5.178699.0	Stability release
October 2022	1.4.58070.0	Stability release



1.5.178699.0

Release Note • 8/26/2024 • 1 min read

Enhancements/Modifications

With this release of the Aptean Circuit Breaker extension, modifications have been made to accommodate the following changes:

- Enhanced application interaction: Procedures have been added to enhance the application interaction, improve upgrade tag management, streamline upgrade and installation processes, and provide additional flexibility by managing upgrades on a per-company and per-database basis.
- Application area refresh: Updates have been implemented to improve the application area refresh process by integrating a new procedure into the *Enable* codeunit.
- Improved management of install and upgrade code: The *Install* and *Upgrade* codeunits have been updated to streamline the handling of installation, reinstallation, and upgrade processes, ensuring smoother transitions and minimizing disruptions during these operations.
- Centralized license management procedures: The existing license management codeunit has been modified to use centralized license management procedures, further reducing the need for application-specific adjustments.
- Enhancements have been made to update the process within the application to handle the *User Group* and *User Group Permission Set* tables. This change ensures compatibility with current and future versions of Business Central, even when the *User Group* and *User Group Permission Set* tables are deprecated.

! Note

The *User Group* and *User Group Permission Set* tables are deprecated in Business Central, version 25.



1.4.58070.0

Release Note • 4/3/2023 • 1 min read

Enhancements/Modifications

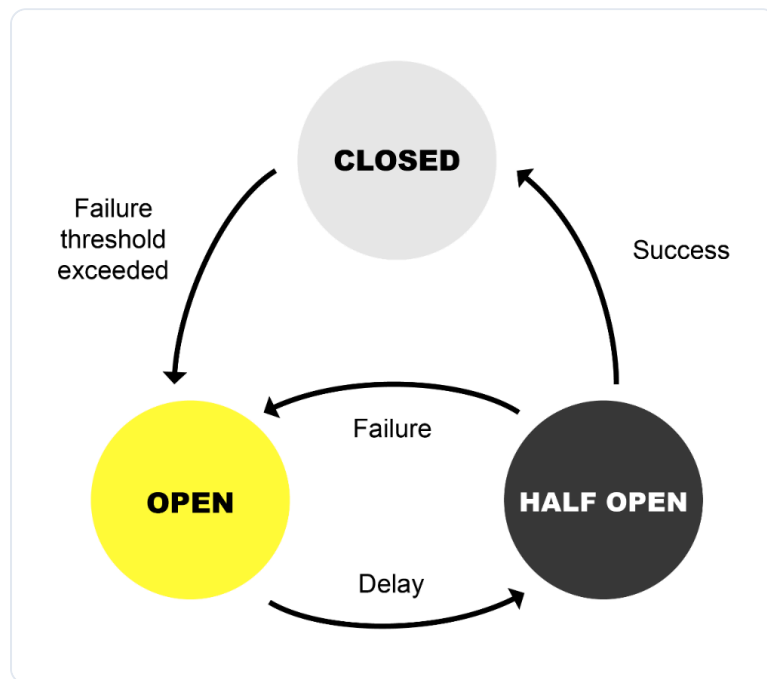
Minor technical changes were made to keep our apps in line with the *updated* coding guidelines for Business Central.



Introduction

Article • 6/10/2023 • 2 min read

The Aptean Circuit Breaker (CBR) extension is a design pattern used to detect failures and encapsulates the logic of preventing a failure from constantly recurring, during maintenance, temporary external system failure or unexpected system difficulties. It is used to check the availability of an external service. An external service can be a database server or a web service used by the application. Circuit Breaker detects failures and prevents the application from trying to perform the action that is doomed to fail (until it's safe to retry). It first performs the number retries set in the supported apps, when this fails, the Circuit Breaker Pattern will take it over. If all goes well, the Circuit Breaker will never be active.



Setup

Article • 12/23/2024 • 1 min read

The following setups are required.

- [Manage permission sets](#)
- [Set up circuit breaker](#)



Manage permission sets

Article • 12/23/2024 • 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 direct permission set.

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 *CIRCUITBREAKERFDW*.

User-defined permission sets

In addition to the system permission set 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.
The associated fields are automatically updated based on the entered value. The user has the necessary permissions to use the features of the Aptean Circuit Breaker extension, ensuring secure and role-based access.



Set up circuit breaker

Article • 6/10/2023 • 1 min read

The Apteau Food & Beverage extensions, like Apteau Inspection Status and Apteau Expiration Management, utilize the Apteau Circuit Breaker extension to send out alerts via the service bus. The **Circuit Breaker Setup** page is automatically filled when any extension tries to use it, so no manual setup is required.

The **Job Queue Interval** field is set to *300.000 milliseconds* (5 minutes) as default, when the **Status** field is updated to *Closed* and this can be modified if required. The minimum value that can be set is *60.000 milliseconds* (1 minute). The **Job Queue Category Code** field is automatically set to the first Job Queue Category Code as default, when available. It can be modified when the **Status** field is updated to *Closed*.



Job queue entries

Article • 6/10/2023 • 2 min read

When Circuit Breaker Entries are made for a specific Circuit Breaker Setup, this ensures that Job Queue Entries are made automatically for this specific Circuit Breaker Setup until the Alert is sent. When the Alert is sent, the Job Queue Entry will disappear and the Circuit Breaker Setup Status will be set to *Closed*.

SearchReportPageMore options

STATUS	USER ID	DESCRIPTION
Success	JOHN DOE	
Error	JOHN DOE	Foodware365 Circuit Breaker
Error	JOHN DOE	Foodware365 Circuit Breaker
Success	JOHN DOE	
Success	JOHN DOE	
Success	JOHN DOE	
Success	JOHN DOE	
Success	AZANTBOER	

