



Index Advisor

Planon Software Suite

Version: L132

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About this Document

Intended Audience

This document is intended for *Planon Software Suite* users.

Contacting us

If you have any comments or questions regarding this document, please send them to: support@planonsoftware.com.

Document Conventions

Bold

Names of menus, options, tabs, fields and buttons are displayed in bold type.

Italic text

Application names are displayed in italics.

CAPITALS

Names of keys are displayed in upper case.

Special symbols

	Text preceded by this symbol references additional information or a tip.
	Text preceded by this symbol is intended to alert users about consequences if they carry out a particular action in Planon.

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Introduction

Planon is used across a wide variety of customer-specific configurations and environments. From a database perspective, this means that the indexes required for optimal performance can differ significantly from one customer to another. Standard indexes that are configured during development may work well for some customers, while being less effective — or even counterproductive — for others.

Modern database servers can analyze query patterns and provide recommendations about which indexes are missing or redundant for a given environment. The **Index Advisor** TSI brings this intelligence into Planon by presenting relevant database index recommendations and showing which ones have been applied automatically to optimize performance for your specific environment.

Availability

Index Advisor is available exclusively as a Cloud feature. Because the functionality relies on database-level advisor capabilities that are managed as part of the Planon Cloud infrastructure, it is not available for on-premises installations.



To use **Index Advisor**, please add the TSI to your [navigation panel](#).

How Index Advisor works

Unlike standard business objects where changes originate in Planon and are propagated to the database, **Index Advisor** works in the opposite direction. Data originates from the database server and is reflected in Planon for informational purposes.

Planon periodically collects index recommendations from the database server. Recommendations that are deemed useful for your environment are shown in **Index Advisor**. A scheduled database job then attempts to apply these recommendations automatically, so no manual action is required.

Restrictions/recommendations

Because changes do not originate in Planon, the following applies:

- **Notifications** are not supported for this business object.

- **Platform extensions** are not applicable (Platform apps cannot use the Index Advisor BO, but the Index Advisor can still *advise on* Platform app tables).
- **Authorization** can be configured to restrict access, for example to system administrators only.

BO Advice

Index Advisor contains one level: **BO Advice**, which shows the database index recommendations that are relevant for your environment and can be applied automatically.

In the element list, each entry shows the business object and the recommendation. You can use the standard filter on **Business object definition** to narrow down the list.

Statuses

Each index recommendation progresses through the following statuses:

State	Description
Not started	Initial state. The recommendation has been detected and is available, but no action has been taken yet.
Pending	A scheduled database job is attempting to apply the recommendation.
Applied	The recommendation was applied successfully.
Failed	The recommendation could not be applied after more than 10 attempts. Planon will take action to resolve this.

Field descriptions

The fields on the BO Advice step are divided across the **General**, **Technical**, and **Audit** tabs.

General tab

Focuses on *what* is being advised, *how impactful* it is, and *when* it was applied — the information a customer or support person needs for decision-making and traceability.

Field	Description
Business object definition	Shows the business object for which the index recommendation applies. This helps you understand which area of the application is affected.
Expected advantage	Indicates how beneficial the index recommendation is expected to be. This value is calculated from database metrics such as average query cost, user impact, and the number of seeks and scans. A higher value means a greater expected benefit. Planon only shows and applies recommendations with a sufficiently high expected advantage; recommendations with low impact are excluded.
Applied version	Shows the Planon live version in which the recommendation was applied.
Applied date/time	Shows the date and time at which the recommendation reached the <i>Applied</i> state.
Comment	General-purpose comment field.
Log	Shows the log output of the most recent apply or revert action for this recommendation.

Technical tab

This tab provides the underlying database-level detail, showing the actual SQL statements and performance metrics to assess the real impact of the index change.

Field	Description
Recommendation	Shows a meaningful description of the advised index change that will be executed by Planon.
Before Query Plan	Stores the database optimizer plan for the query before the recommendation was applied.
After Query Plan	Stores the database optimizer plan for the query after the recommendation was applied.
Detailed Information	Stores technical metrics related to the recommendation, including CPU usage, I/O statistics, timings, remarks, query text details, and impact metrics.

Audit tab

Contains the default fields that are used for audit & traceability purposes.

Field	Description
System code	System-generated unique code.
Insertion date-time	Date and time the record was created.
Modification date-time	Date and time the record was last modified.

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