



QAD DSCP 2023.1

Release Notes





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These release notes include information about QAD Digital Supply Chain Planning (DSCP). These changes may affect the way you implement and use QAD DSCP. Review this document before installing the new QAD DSCP release.

QAD highly recommends that you implement the latest QAD DSCP release available. Check the QAD Online Support Centre to make sure you have the latest QAD DSCP release notes, installation guide, and installation media:

<http://support.qad.com/>

Use the following list to find a specific release:

[Release Notes for Current Release](#)

[Release Notes for QAD DSCP 2023](#)

[Release Notes for QAD DynaSys DSCP 2022.1](#)

[Release Notes for QAD DynaSys DSCP 2022](#)

[Release Notes for QAD DynaSys DSCP 2021](#)

[Release Notes for QAD DynaSys DSCP 2019.1](#)

[Release Notes for QAD DSCP 2019](#)

Release Notes for Current Release

QAD Version: QAD DSCP 2023.1

Release Date: October 2023

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese (in the Windows UX), French and English in the Web UX

The 2023.1 release is the first full Web version for the customer. The latest developments make the solution more intuitive, intelligent, automated and adaptive. DSCP 2023.1 offers extended Digital planning capabilities, a more intuitive planner experience, and functional and technical enhancements.

Day to Day Life: Web Planner Experience and Modeling

The DSCP 2023.1 web interface is visually appealing and user-friendly. The latest release adopted the QAD branding update, and provides a comprehensive and seamless experience in planning and executing.

- UX / Navigation improvements: DSCP 2023.1 offers more intuitive configuration screens, and new ways to organize the workspace layout. A dynamic filtering is embedded in workspaces and enables to focus on a restricted scope of items with no need for previous configuration.
- Updated Guide Me scripts offers additional Walk-through contextual online help.
- Full web planner: Data Structure Management is now fully reengineered in web, including calendars, horizons and master tables.
- Basic analytics: DSCP 2023.1 includes data & modeling analysis. The Data explorer displays the data flow around a data field, calculation or interface. The new view type *Master data analysis* offers a first-level data management and the quick analysis of data attributes.



- Leverage Community data collection: New tools and views provide performance follow-up on workspace loading times and calculation execution times at workspace opening.

Ready-to-plan

Ready-to-plan or RTP is the intelligent rapid prototyping solution embedded in DSCP. Ready-to-Plan continues to streamline & simplify product deployment.

The latest RTP developments include:

- New cross master tables allowing the combination of item or SKU levels and their related attributes
- RTP workspaces enhancements to plan, simulate and collaborate with
- Additional consistency checks and warnings to ensure accurate setup
- Reduction of RTP generation time when archive creation is needed

Operational Planning Enhancements

As part of continuous improvement, or deriving from customer project experience, planning features were added or enhanced.

- Demand Planning : New developments offer more flexibility in forecast calculation horizon, allowing simulation of forecast methods in a defined past horizon. The management of seasonality was also better aligned over forecast methods.
- Supply planning : A new Group calculation was developed for Procurement and Distribution Planning (for DRP at the moment). It provides higher performances in filling trucks and optimizing orders and shipping. New KPIs allow understanding the results of the calculated plan and the impact on inventory levels.
- Integration of functional enhancements into RTP to facilitate configuration and adoption.

Deployment and Technology

The addition of new functional or graphic features is accompanied by an evaluation of overall performance and their improvement whenever possible. Some recent developments also aim to support our customers in their transition to a full web DSCP.

- To help our customers in their transition to the web, DSCP now provides an automated conversion of Windows workspaces to web workspaces
- New return codes on public API calls ease the follow-up of automated tasks and their execution results
- Multiple SSO authentication: The latest developments provide a secure and easy way to connect from different entities (using up to three different types of SSO) to the same solution.



Release Notes for QAD DSCP 2023

QAD Version: QAD DSCP 2023

Release Date: April 2023

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese

The current release demonstrates the journey of QAD DSCP towards a true SaaS solution in the public cloud.

The new web version of the software provides users with an enhanced experience, greater efficiency, and improved functionality.

New developments also enhance the automation of deployments with RTP (Ready to Plan), reducing cost, time, and risk to implement. RTP also reduces the ongoing cost of ownership creating an environment which is more efficient to support, upgrade, and extend.

As a Supply Chain Planning solution, DSCP demonstrates once again its constant adaptation to customer needs with new standard features covering more business cases.

Web User Experience and Modeling

The web UX in DSCP 2023 reflects the ongoing evolution of web design and user behavior patterns. The latest features are designed to meet the needs and expectations of the users:

- Modeling is now centralized on the web. It includes the creation and management of master data such as planning horizons and master tables, with filtering conditions, units of measure and unit conversions
- DSCP enables concurrent modeling on the web, with automated checks
- Navigation in DSCP 2023 is improved with an updated interface and intuitive design
- Standard workspaces include template views, with pre-designed layouts. Workspaces and views can be duplicated for customization.

Ready To Plan

DSCP Ready To Plan or RTP provides standard automated modeling from a custom design, reducing time to value and cost of ownership.

The latest release offers further configuration options, covering more business cases tailored to industry or customer requirements and providing a "digital twin" of the customer's supply chain.

The configuration is a combination of standard DSCP objects. Thus, since there is no need for custom modeling, RTP reduces risk and maintenance.

- Additional standard objects and workspaces available with RTP configuration
- Higher flexibility in usage
- New functional enhancements integrated to RTP

Operational Planning

In terms of operational planning, most developments derived from customer project experience to embed best practices or frequent business cases into the standard solution.



With their integration to RTP, these enhancements can be automated, streamlined and made more efficient.

- Consensus forecast: DSCP now offers a standard process to support the collaborative forecasting flow. Encouraging collaborative decision-making processes and involving multiple stakeholders can help improve the quality of operational planning outcomes.
- Production bi-level optimization: This new option provides a multi two level constraint optimization, covering multi-level production requirements with a standard implementation.

Deployment and Technology

QAD integrates intelligence and automation into DSCP. This allows the software to learn from and adapt to its environment, improving its performance over time.

- Integration enhancements for public cloud: DSCP 2023 can be deployed in Amazon Web Services (AWS). The use of a Public Cloud solution improves the SLA and makes DSCP closer to a full SaaS solution.
- AWS Native Machine Learning: By using machine learning algorithms, software can analyze data and provide predictive insights. This allows businesses to better understand their customers, forecast trends, and optimize operations.
- Scaling and performance improvements, which make DSCP even more robust and with greater scalability and reliability.
- User permissions management in the web: DSCP 2023 offers a supervised process to define the permissions associated with each user or group of users. The application of viewing or editing rights is automated; the process is simpler and more secure.

Release Notes for QAD DSCP 2022.1

QAD Version: QAD DSCP 2022.1

Release Date: October 2022

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese

The current release enhances further the features developed in the 2022 version, taking into account the feedback from Early adopters and project experience. The developments still focus on improving the user experience for the DSCP Web user, offering further configuration capabilities in the Web client, and enriching the solution generated with Ready To Plan (RTP).

Last but not least, as for all previous releases, new functional objects and performance increases were introduced as appropriate.

Web User Experience

DSCP 2022.1 web Ux offers a collection of minor improvements, which together provide a better overall user experience.

- The homepage layout was reworked further to be even lighter and provide optimal display for panels.



- Additional action buttons and icons reduce the number of “clicks” and make navigation more intuitive.
- A standard workspace exists now for each user group of the Access type, to define the associated scope.

Configuration capabilities in the Web

The ongoing process to decommission the Windows client continues. This initiative will allow all DSCP planners and users to benefit from a full-web user experience. There are more configuration capabilities on the web, and more contextual information on web objects.

- Many more configuration options are now available on the web client. Many of these are relevant to views and workspaces creation, sequences of tasks and also planning objects creation and configuration
- Users, user groups and connection administration from the web
- Access rights: the transition of user rights management on the web is under process, and will be finalized shortly.

Ready To Plan or RTP

RTP is a multi-release program that was first released in May 2022 and will be enriched further with each release. More standard planning objects can be created from the RTP wizard:

- Cross tables may now be created from the wizard
- Additional standard models such as collaborative or clustering
- Additional planning features such as supersession management or ABC elements
- Standard homepage for Demand planners

The standard workspaces associated with Demand planning and Production planning models were reworked.

You can also now archive a RTP configuration, and restore the wizard settings from an archive.

Functional and Technical Improvements

Many QAD DSCP developments derive from project experience, as part of continuous improvement, or serve as a transition to get included in RTP. There are also technical features around Cloud integration and user rights management.

- Clustering : new indicators, improvement in calculation
- New KPI based on past horizon in Supply models
- New simpler way of managing user rights



Release Notes for QAD DynaSys DSCP 2022

QAD Version: QAD DynaSys DSCP 2022

Release Date: May 2022

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese

The 2022 version of DSCP is now deployed as a Public Cloud solution. It offers an enhanced and enriched Web Ux, with intuitive homepages and further modeling capabilities in DSCP Studio. The Ready To Plan solution generation is fully integrated in the Web Ux. New features also include operational enhancements and performance improvements.

Web modeling and design

DSCP 2022 offers a reworked Ux, with a new layout, reviewed styling and colors, which provides users with a lighter experience.

Homepages were redesigned to include new components to display alerts or KPIs based on detailed views that can be accessed directly from these components.

Modeling DSCP objects is now possible from DSCP Studio. The whole model structure of the dataset is displayed. Superusers can edit existing objects and create new models, data fields and calculations. This allows users to perform both modeling and planning activities from the web client.

- Reworked styling and homepages
- New graphical components for KPI and alerts
- Further configuration capabilities in web workspaces
- Creation and management of models, data fields and calculations in DSCP Web Studio

Ready To Plan or RTP

The Ready To Plan feature (RTP) enables the rapid generation of a configured planning solution using a flexible wizard. This wizard automatically creates standard DSCP objects across modeling, integration, and screens. The wizard is now in DSCP Studio; a command triggers the modeling from the web. In addition, the RTP process with DSCP 2022 includes a standard model for each planning solution, as well as standard datahub and interfaces. This feature will greatly reduce configuration effort in customer projects, and favors the use of a standard secure process with best practices and easier maintenance. RTP is crucial for DynaSys to provide more competitive service estimates and will be key to our market growth.

Note: RTP is the new name for what was previously described as DSCP.x. This RTP initiative has no connection whatsoever to a previous RTP concept from 2017. RTP is an internal label and will not be used for external communication.

- RTP configuration wizard in DSCP Web Studio
- Standard datahub and interface objects
- Additional planning objects integrated in the standard RTP solution



Enhanced Planning Features

As part of continuous improvement, existing planning features were added or enhanced. In DSCP Demand planning, Analogy and supersession settings can now be defined at an aggregated level. New Supply KPI and alerts are added to the standard, which are useful for alerts in homepages.

The collaborative forecast validation process is simpler and optimized.

Machine Learning features can now be used with Amazon Web Services, which provides better performance through the use of native Cloud services.

- Forecast models: Analogy and substitution setup at aggregated level
- DSCP Machine Learning algorithms can use AWS as an alternative to local resources
- New data fields in DSCP Production, Distribution, DDMRP
- Simpler process in collaborative forecasts models

Technology

DSCP 2022 can be deployed in Amazon Web Services. The use of a Public Cloud solution improves the SLA and makes DSCP closer to a full SaaS solution.

- Public Cloud solution with Amazon Web Services: Installation and configuration
- Use of Web API to display product images or delete files on DSCP Server.



Release Notes for QAD DynaSys DSCP 2021

QAD Version: QAD DynaSys DSCP 2021

Release Date: March 2021

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese

This version offers innovative capabilities to support customers to face disruption and to be more agile and resilient. This includes a comprehensive end to end scenario planning capability that delivers a true parallel planning experience, combined with supply chain risk management and financial metrics to ensure fact-based decision making that aligns with corporate objectives.

New Financial Planning features

Financial planning is a new DSCP capability made available with the 2021 release.

Profitability metrics across the planning models calculate costs and revenues from purchasing, production, distribution, and sales. This allows planners to make decisions that are best for the business in terms of profitability and budget adherence. Exceptional supply chain events such as Overtime production or Expedited freight can be modeled to determine their impact on profitability prior to commitment.

Financial planning in DSCP does not deal with accounting or product costing. The purpose of DSCP Financial planning is to assess the impact of supply chain decisions through financial KPIs, so that decisions can be based equally on financial and supply chain metrics.

- Financial analysis option in planning models
- Provides standard KPI and calculations for financial assessment of projected plans
- Finance consolidation model to gather information from planning models; supports S&OP/IBP

New Scenario Management

With Scenario management in DSCP 2021 you benefit from a true parallel planning experience. You can determine the potential impact of events before they occur. DSCP provides a comprehensive scenario analysis capability which compares multiple plans side-by-side and weights objectives to support the planners to make the most informed and fact-based decisions.

- End-to-end parallel planning with new scenario dimension
- Determine event impact
- Analyze, compare, socialize
- Cross-functional KPI analysis

Enhanced Risk Management support

DSCP is fundamentally a decision support tool. Most decision making processes need to consider the risks and opportunities in achieving the outcome. DSCP 2021 allows the planner to identify, socialize, and collaboratively mitigate the risk in an auditable manner.

- Identify, measure and manage risks and opportunities
- Severity and likelihood analysis
- Collaborative mitigation
- S&OP / IBP decision support



Structured Social Collaboration

Latest developments provide a shared auditable record of discussion of all planning decisions, task execution, risk mitigation or exception resolution. This feature allows planners to communicate and collaborate within DSCP, with no need to turn to email or messaging apps to resolve a planning problem. This leverages the use of the solution, by providing a structure for this communication, usually informal and unstructured.

- Socialize plans, risks, components through different activities (task, risk, opportunity)
- Escalate issues to the right people, email reminders
- Timestamped auditable decisions
- Capture stakeholder input - Comments in activities

Improved User Experience

The 2021 release enhances further the User Experience, providing planners with all functions that they require to do their day to day job via the new intuitive browser Ux.

- Additional configuration of alerts through conditional styling
- Process diagrams to frame activities and visualize status
- Embedded calculator for cell value manipulation
- New standard views and workspaces, view configuration in the web client

Further Intelligent Planning

The 2021 release strengthens the use of **Artificial Intelligence**. This release refines several existing Machine Learning capabilities:

- Automated data cleansing
- Complex sales behavior
- Cluster analysis

Additional planning capabilities are available with the latest release, such as:

- New standard calculations
- New indicators for reliability analysis, demand management
- Setup at aggregate level for Distribution and Procurement Planning



Release Notes for QAD DynaSys DSCP 2019.1

QAD Version: QAD DynaSys DSCP 2019.1

Release Date: April 2020

User Guide: The user guide for this release will be available, on request, at a later date.

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese

This version enhances mobility and web experience with mobile application and web configuration capabilities. It provides users with collaborative process monitoring for agile and controlled planning. It offers additional standard planning objects to improve user productivity and operational efficiency. The 2019.1 release is a complementary “Feature pack” that will be made available to all DSCP 2019 customers.

User Experience and Mobility

The 2019.1 version of QAD DynaSys DSCP emphasizes the experience for the DSCP web user, with further configuration capabilities and an enhanced mobile application for managers, and users who are traveling or remote.

Enhanced Web Experience

As soon as you log in to the DSCP 2019.1 web client, you enjoy the enhanced UI and navigation. The latest release is a step ahead to help move DSCP users from desktop to browser.

The new features available in DSCP web client include:

- Conditional formatting for KPI in the homepage to enhance the display of alerts
- Definition of filters to focus on a subset of data relevant for the planner
- Highlight of time periods in chart views
- Capability to open independent view, run calculation or shortcut within a web workspace
- Full creation and edition of web workspaces embedded in the web client

Operational Mobile App

In addition, the 2019.1 version of DSCP is available with a native mobile app available on both iOS and Android app stores. This leverages the daily use of mobile devices with business functions.

From the mobile app, DSCP users access a homepage with alerts and connected charts. They can display and manage their tasks list, and they can create and assign new tasks.

Collaboration

In DSCP 2019.1, an actual collaborative process control is made available in the web client. Planning process control capabilities support collaboration. Collaboration can be defined as the coordination required to execute an activity in a cooperative manner.

Activities can include a variety of tasks such as forecast approval, shortage solving or assumption validating.



Planning Process Control

DSCP frames activities with structured workflows, ensuring process execution and decisions with a predefined sequence of steps and ad-hoc tasks. You quickly create a process with the embedded assistant; you can easily duplicate a repeatable process. You can also use management tools, such as assignees management or email reminders.

Tasks and Notifications

Each process stakeholder is notified when it is their turn to take part in the process. Tasks can include context-sensitive elements such as notes, risks, assumptions or opportunities.

When tasks are complete, the status updates to Closed. This way, you have instant follow-up on the status and you can also send reminders for open tasks.

Operational Planning

In DSCP 2019.1, new standard objects and features make the configuration quick, easy and relevant, which further increases the functional input of the solution.

Additional operational objects embedded in the standard solution include new planning objects and new views and workspaces.

New Planning Objects

DSCP 2019.1 offers new KPIs and model options. Most of the new indicators are linked to forecasting features; some of them relate to reliability analysis, Machine Learning and demand management.

New standard models are also available: They enable to manage price computation, horizon disaggregation and collaborative forecasts with standard models and data fields.

Standard Views and Workspaces

The latest release offers new or enhanced standard views including the new data fields.

A brand new feature is the availability of standard web workspaces including these new views; these web workspaces display in the workspaces menu when the dataset includes a compatible planning model.

This increases the implementation of best practices, while reducing the time it takes to configure views and workspaces.



Release Notes for QAD DSCP 2019

QAD Version: QAD DynaSys DSCP 2019

Release Date: December 2019

User Guide: The user guide for this release will be available, on request, at a later date.

Languages Supported: French, English, German, Spanish, Italian, Polish and Simplified Chinese

This version features a new intuitive web planning experience, collaborative planning process controls and is powered by artificial intelligence and advanced supply chain analytics.

New intuitive web planning experience

QAD DynaSys DSCP 2019 offers a best-in-class web experience.

The look and feel was largely reworked to be more user-friendly and to stay fully aligned with QAD Web UI standards. Within the web client you can configure the homepage, and each user or user group can benefit from a personalized homepage. The task management features enable collaborative planning and process control.

Also, please note that this new release is the first one with a single unique branding for all DSCP customers.

Web workspaces enhancements

DSCP web users can perform most of their execution tasks from web simulation workspaces. They access the workspaces from the homepage menu, or from assigned tasks or tiles in the homepage.

The graphical user interface in web workspaces was reworked to be “lighter,” for readability and consistency purposes. We removed non-essential components to focus on relevant information and make the best use of the screen space.

The new side panel provides quick access to additional elements. You can configure it to include the views that are most relevant to you.

Views and workspaces design

With the new DSCP Studio, you create and configure workspaces directly from the web client.

You can not only design simulation workspaces for your planning process, but also homepages, mobile and analytics screens.

Analytics to evaluate and communicate

The Analytics, which are already available for Cloud DSCP customers, are enhanced.

Designing an analytics dashboard in the web client is fast and easy. With a few clicks you select the app and sheet to display and you get a workspace that suits your needs.

You can use preconfigured DSCP dashboards. In addition to the Demand Planning Analytics dashboard, a Machine learning analytics dashboard is provided to assess the quality of the forecast computed with the different available methods, and make accurate reports easy to share.

Collaborative planning process controls

Tasks in the web client allow you to quickly share views and workspaces, filtered on the data that you want to show.



Through the sending of tasks with associated links and assigned actions, you frame collaborative processes and keep them under control.

Mobility

With DSCP 2019 we introduce a Mobile App. The Mobile app design is aligned with the DSCP Web UI and Mobile users must be existing Cloud DSCP users.

The display configuration in the Mobile app is limited, and this is on purpose, to be adapted to the typical use of mobile apps. However you benefit from the same display of key indicators, relevant graph views and the task list as in the web client.

Artificial intelligence

QAD DynaSys DSCP Cloud now integrates a standard Machine Learning forecast model for smart clustering and complex forecasting. The engine is based on external Python technology, embedded in the product. The results of Python calculations are imported in DSCP and used for clustering, forecasting, or computing missing values.

Intelligent demand clustering

Machine Learning performs cluster analysis. This is an opportunity to identify groups of products with similar sales behavior in the past.

Clusters are based on three major criteria: Recency (about product life cycle), Frequency (about regular or intermittent sales), and Monetary (about sales volume). The idea is to define sales profiles.

Automated data cleansing

Machine learning algorithms scrutinize imported data to identify missing values in hierarchy and propose values to fulfill them.

New forecasting capabilities

Machine learning examines external data series for correlation and causation in order to determine the most accurate picture of future sales.

Calculating a forecast with Machine Learning can be performed via two different methods. In DSCP it is also possible to recalculate the forecast from the existing model, that is, without first redefining the model.