



# Camelot Public Holidays Data Product

## Integrating Public Holidays in Planning and Forecasting

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*Public holidays mess up with planning and forecasts, from human resource planning to supply chain management and sales forecasting. Camelot's Public Holidays Data Product integrates the effects of public holidays to empower reliable planning.*

### Introduction

In today's globalized world, understanding public holidays is more than just knowing when to celebrate. Public holidays are specific days recognized and sanctioned by governments, during which **businesses and government offices may close or reduce their hours**. They often reflect the cultural, historical, or religious significance of a region and vary widely across countries and even within different states or municipalities.

Camelot is introducing the Public Holidays Data Product, a comprehensive and versatile tool designed to **empower your planning and decision-making process** across various sectors. This data product provides an extensive and granular view of public holidays, weekends, and working days across different regions and working groups.

#### Why is this relevant?

In the complex landscape of global business, having accurate and detailed information about public holidays is crucial. Whether you are managing a multinational corporation, a small business, or a government agency, understanding the **nuances of public holidays can significantly impact your operations**. From human resource planning to supply chain management, the Public Holidays Data Product offers insights that allow you to **allocate resources effectively, comply with local regulations, and cater to the unique needs of different markets**.

Camelot's Public Holidays Data Product goes beyond merely listing holidays. It offers five comprehensive views, including Daily, Weekly ISO, Weekly Sunday, Monthly, and Yearly, to provide you with valuable insights. It uniquely showcases **public holidays specific to state, municipality, and postal code levels**, ensuring that you have the most accurate and relevant information for your analysis.

Well-balanced features make this Public Holidays Data Product stand out. Features and benefits combine towards a tool vital for planning and decision-making across different sectors.

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## Features

The Public Holidays Data Product is meticulously designed to cater to a wide range of needs and preferences, offering unique selling points that set it apart from competitors. These features translate into tangible benefits for different sectors, providing a versatile and comprehensive tool that can be adapted to various needs and preferences.

### Work Groups

Understanding the diverse working patterns across different sectors and regions, the data product offers insights tailored to three specific working groups:

- ▶ **Work Group 1:** Individuals with regular weekends (Saturday and Sunday)
- ▶ **Work Group 2:** Individuals with weekends on Sundays only
- ▶ **Work Group 3:** Individuals without any designated weekends

This working pattern classification allows businesses to cater to diverse working patterns, ensuring that planning and decision-making are aligned with the specific needs of different employee groups.

### Weeks

The Public Holidays Data Product recognizes the global variations in the definition of a working week and offers two distinct views:

- ▶ **Week ISO:** The week according to the ISO week date system, which starts on Monday
- ▶ **Week Sunday:** The week that starts on Sunday

The different week types allow users to select the system that best suits their business needs or regional practices, enhancing the accuracy of scheduling and resource allocation.

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Camelot ITLab  
Public Holidays Data Product Demonstration

Daily Weekly Monthly Yearly

Year: 2023 Week Type: ISO Week: 2023.18 State: Baden-Württemberg Municipality: Aalen Postcode: 73430 Working Pattern: Normal Weekend **CHECK**

All  Upcoming

Week 2023.18 Holidays in Aalen, Baden-Württemberg

May 1, 2023 Tag der Arbeit

The number of the working days in the week: 2023.18 following the ISO week type for the postcode 73430 which is located in Aalen, Baden-Württemberg is 4

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## Location

The Public Holidays Data Product provides an unparalleled level of granularity, offering insights from various geographical levels:

- ▶ **From Country to Postcode Level:** This includes detailed information at country, state, municipality, district, and postcode levels. The Public Holidays Data Product covers public holidays, whether you require an overview of an entire country or specific insights down to the most localized areas.

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### Different regional holidays shown in map view

Corpus Christi 8th of June



Reformationstag 31<sup>st</sup> of October



Augsburger Friedensfest 8th of August



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The data product offers **granular data down to the municipality and postcode levels**, a feature that many competitors might not offer. This geographic specificity enables businesses to plan and operate with precision, considering local variations in public holidays.

## Holiday Types

The data product also categorizes holidays based on their nature, such as national holidays, religious holidays, half holidays, bank holidays, etc.

The holiday type classification allows businesses to differentiate holidays based on their nature, enabling more nuanced planning and compliance with local regulations.

These features form the core of the Public Holidays Data Product, offering a versatile and comprehensive tool that meets the diverse needs of businesses and provides unique advantages that set it apart in the market.

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## Views

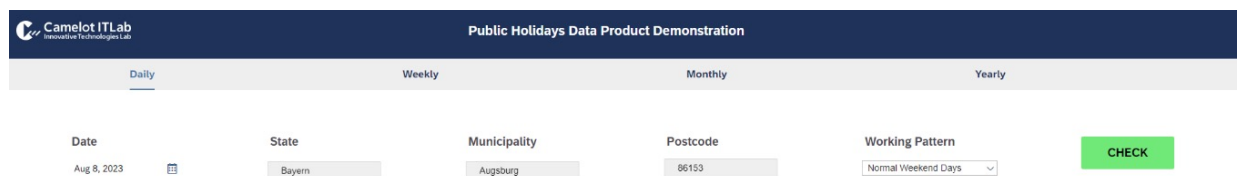
There are various views of the data product that make these features accessible in the Public Holidays Data Product. The Public Holidays Data Product offers five distinct views, each designed to provide specific insights into public holidays, weekends, and working days:

### 1 Daily View

**Granular day-level details. Classifies holidays, weekends, working days.** The Daily View provides a comprehensive perspective on public holidays, weekends, and normal days at a daily level. It covers different countries, municipalities, postcodes, and districts, reflecting various weekend patterns for different working groups. This view spans all days of the year, helping users understand the classification of each day based on the municipality and working group.

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#### Daily view with local public holiday in Augsburg, Germany



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Public Holidays Data Product Demonstration

Daily Weekly Monthly Yearly

Date: Aug 8, 2023

State: Bayern

Municipality: Augsburg

Postcode: 86153

Working Pattern: Normal Weekend Days

CHECK

#### Local Public Holiday: Augsburger Friedensfest



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### 2 Week ISO View

**Weekly distribution of working days. Accommodates various work patterns.** The Weekly ISO View offers detailed information on the number of working days per week, based on various working patterns, all according to the ISO week date system. This view covers different regions and working groups, enabling users to analyze the distribution of working days and holidays, providing valuable insights for planning and resource allocation.

### 3 Week Sunday View

**Weekly distribution of working days. Accommodates various work patterns.** Like the Week ISO View, the Weekly Sunday View provides information on the number of working days per week, but with the week starting on Sunday. This view accommodates different working patterns and offers insights into the distribution of working days and holidays across various regions and working groups.

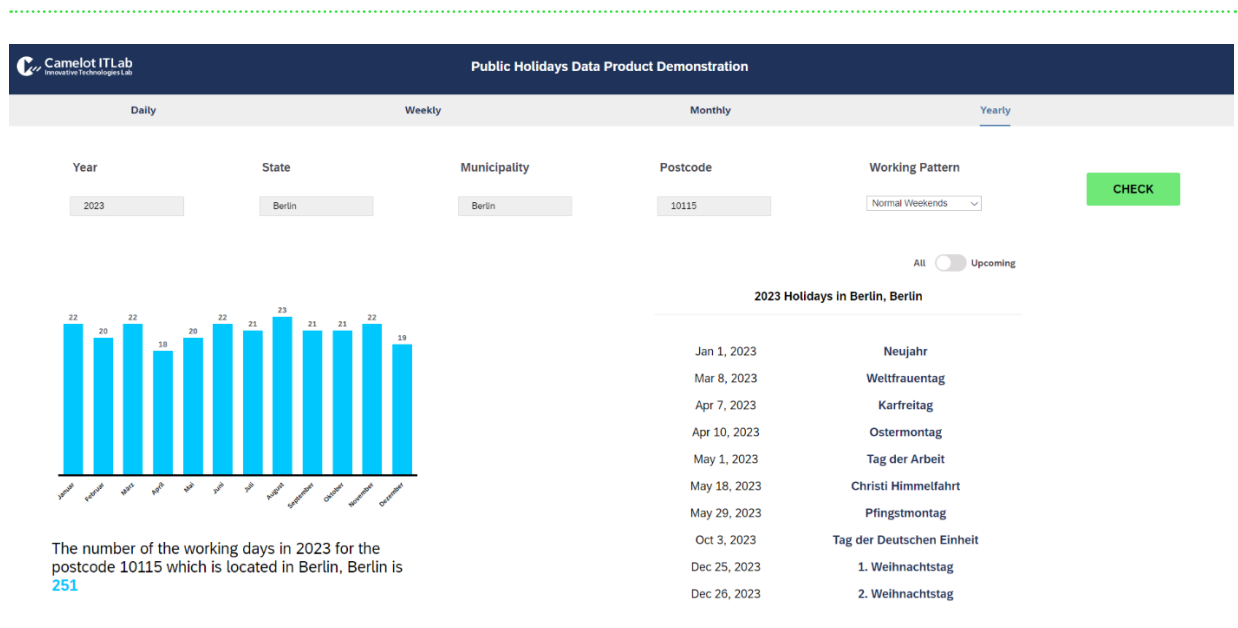
## 4 Monthly View

**Aggregates working days monthly. Enables short-term planning.** The Monthly View aggregates the number of working days per month, considering various working patterns such as normal weekends, Sunday weekends, and no weekends. This view covers different countries, municipalities, postcodes, and districts, enabling users to analyze the distribution of working days and holidays for short-term planning and resource allocation.

## 5 Yearly View

**Aggregates working days annually. Supports long-term planning.** The Yearly View offers a broader perspective, aggregating the number of working days per year based on different working patterns. It covers various geographical levels, providing valuable insights for long-term planning and resource allocation.

These views collectively provide a multifaceted perspective on public holidays, weekends, and working days, catering to different analytical needs and planning horizons. The insights derived from these views are not just theoretical; they have real-world applications that can transform various industries.



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## Impact

By offering precise and actionable insights, the Public Holidays Data Product plays a pivotal role in enhancing operations, decision-making, and strategic planning in fields such as manufacturing, pharmaceuticals, and finance. Here is how:

### **Manufacturing: Enhancing Forecast Accuracy and Supply Chain Management**

In the fast-paced world of manufacturing, forecast accuracy is paramount. Imagine the challenges faced by sales heads when unexpected public holidays disrupt production schedules. The Public Holidays Data Product offers a solution by providing granular insights into public holidays at every location and country level.

With this information, manufacturers can bring products to market more quickly, aligning production with demand. It also aids in managing inventory and ensuring timely delivery, reducing the risk of delays and stockouts. The ability to forecast public holidays effectively translates into a more agile and responsive manufacturing process.

### **Pharmaceutical: Ensuring Quality and Timely Delivery**

The pharmaceutical industry faces unique challenges, especially when it comes to quality control and delivery timelines. Wrongly predicted delivery times can lead to significant issues, particularly for time-sensitive medications and healthcare supplies.

The data product comes to the rescue by offering detailed information on public holidays, influencing last-mile delivery to hospitals, pharmacies, or patients' homes. It also plays a crucial role in emergency and pandemic response, where efficient distribution of essential medicines, vaccines, and medical supplies is vital. By understanding public holidays, pharmaceutical companies can enhance supply chain resilience and response time management.

### **Financial Planning and Forecasting: A New Dimension of Accuracy**

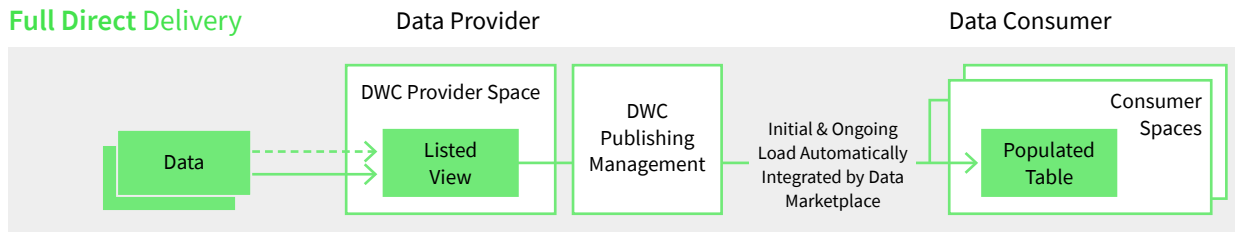
In the realm of finance, the Public Holidays Data Product allows for new avenues for planning and forecasting. Accurate knowledge of public holidays can significantly impact various financial strategies, from budgeting and cash flow management to market analysis and investment planning.

Businesses can plan their budgets and manage cash flow more effectively, considering variations in sales and expenses during holidays. Investors and financial analysts can leverage public holiday data to understand market trends and consumer behavior, leading to more informed investment decisions. Even risk management can be enhanced, as financial institutions assess potential risks and uncertainties with a more comprehensive understanding of public holidays. The effectiveness of these impacts is not only determined by the insights provided, but also by how the data is delivered and maintained.

## Data Delivery & Update

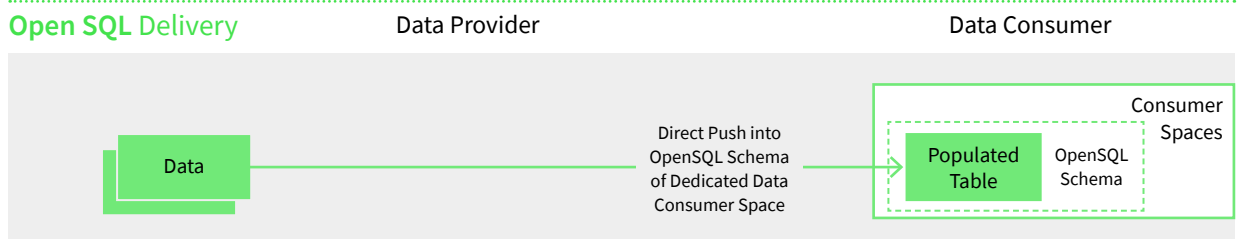
In today's data-driven world, the way data is delivered and updated is as crucial as the data itself. A versatile data delivery service caters to diverse needs, ensuring data is not only precise but also easily accessible and timely refreshed. Here's an overview of the various data shipment options that SAP Datasphere provides on the Data Marketplace:

### Full Direct Delivery



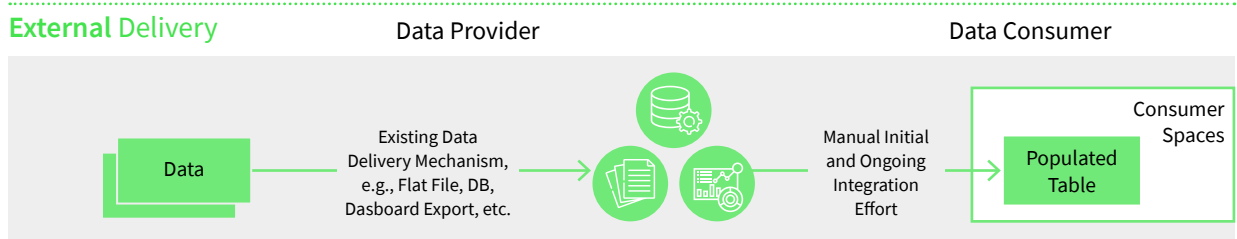
**Integrated Delivery:** This method seamlessly transfers data directly into the client's designated space within their SAP Datasphere tenant, facilitated through the Data Marketplace. This method is ideal for seamless data synchronization within existing infrastructures.

### Open SQL Delivery



**Open SQL Delivery:** Tailored for customized or highly specific data needs, this method allows data providers to directly push updates into an Open SQL Schema prepared by the client. This schema then becomes a new data source within the client's Data Builder, bypassing the need for the data to be onboarded to the SAP Datasphere tenant.

### External Delivery



**External Delivery:** This option involves delivering data through external means, such as flat-files, cloud storage, or even direct dashboard access. Listed in the Data Marketplace, the responsibility of ensuring the data reaches the client falls entirely on the provider. Conversely, clients bear the task of integrating this data into their systems. This approach is suitable for scenarios where traditional delivery mechanisms may not be feasible or when data needs to be distributed in a non-standard format.

## References

- ▶ <https://community.sap.com/t5/technology-blogs-by-sap/sap-data-warehouse-cloud-data-marketplace-an-overview/ba-p/13515576#ToC4>
- ▶ [https://help.sap.com/docs/SAP\\_DATASPHERE/e4059f908d16406492956e5dbcf142dc/bbcbf42b-0cb541529e63628d95f394c8.html](https://help.sap.com/docs/SAP_DATASPHERE/e4059f908d16406492956e5dbcf142dc/bbcbf42b-0cb541529e63628d95f394c8.html)

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## Data Products Access

Please note that a valid login to SAP Datasphere is required to view the Public Holidays Data Products, and the Data Marketplace is accessible only in tenants provisioned since January 25, 2021.

### References

- ▶ [https://help.sap.com/docs/SAP\\_DATASPHERE/c8a54ee704e94e15926551293243fd1d/4096fb8c97d-d4d84a7200941c1721368.html](https://help.sap.com/docs/SAP_DATASPHERE/c8a54ee704e94e15926551293243fd1d/4096fb8c97d-d4d84a7200941c1721368.html)

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## Conclusion

In a world where understanding public holidays is integral to business operations, the Public Holidays Data Product stands as a versatile and essential tool. With tailored insights across various sectors, seamless integration, and yearly updates, it is designed to empower planning, compliance, and efficiency. Explore this comprehensive solution and let it become a vital part of your decision-making process.

**The Camelot Public Holidays Data Product is available on the SAP Data Marketplace**  
(click below)



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