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# SAP Cloud for Energy - Feature Scope Description

# Content

- 1    **About This Document.** ..... **3**
- 2    **Features.** ..... **4**
- 3    **Product Availability.** ..... **5**

# 1 About This Document

This document defines the functional scope of SAP Cloud for Energy.

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## Documentation

The SAP Cloud for Energy documentation can be accessed from the [SAP Cloud for Energy Help Portal page](#).

## 2 Features

SAP Cloud for Energy is SAP's energy and water data management solution in the cloud.

Main features:

### **Central Repository for Large Volumes of Measurement Data in the Cloud**

Energy Data Services is SAP Cloud for Energy's core component for storing and managing measurement data and related Utilities device data in the cloud.

### **Industry Standard-Compliant API for Managing and Accessing Measurement Data and Related Utilities Devices**

The Energy Data Services API is based on the Common Information Model (CIM), which is a standard for energy markets. The API provides services that enable applications to manage and access measurement data and related meter master data for their business processes. Incoming measurement data is validated and validation results can be monitored.

### **Anomaly Detection**

SAP Cloud for Energy continually analyzes incoming measurement data to detect periods with anomalies in the data. Detected anomalies can be monitored.

### **Billing Integration**

To enable standard billing of various energy rates and charges, the billing determinant service calculates billing determinants. Its calculation methods consume validated time series measurement data within the specified time-of-use periods of a billing period.

### **Integration to SAP S/4HANA Utilities or SAP Utilities as part of SAP ERP (ECC) (referred to as SAP Utilities throughout the rest of the document)**

You can connect your SAP Utilities system to SAP Cloud for Energy and enable the replication of meter master data from the SAP Utilities system to SAP Cloud for Energy using existing enterprise services. During the replication, the SAP Cloud for Energy integration component maps the data to the CIM objects in SAP Cloud for Energy.

Time-of-use billing in your SAP Utilities system can be executed on the basis of measurement data stored in SAP Cloud for Energy. To enable this billing process, you replicate profile header data from the SAP Utilities system to SAP Cloud for Energy using existing enterprise services, and you request and receive billing determinants from SAP Cloud for Energy.

If you execute classical billing in SAP Utilities, you can manage meter reading time series with SAP Cloud for Energy and use this data as the basis for billing. In such an integration scenario, you need to request readings from SAP Cloud for Energy using existing enterprise services.

# 3 Product Availability

This section describes the product availability aspects.



Availability Aspect	Description
Languages	English, Chinese, Dutch, French, German, Japanese, Portuguese, and Spanish
Regions	This application can be operated in the following data center locations: Europe (Netherlands) and US East (VA).

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