

Release Notes

AnyLink 7

TMAXSOFT

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Document History

Product Version	Guide Version	Date	Remarks
AnyLink 7	3.1.2	2025-05-28	-

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1. Overview

This guide summarizes the changes and new features introduced in the released version. AnyLink 7 includes enhancements designed to support a wider range of real-world environments. As this guide does not cover all the features of AnyLink 7, refer to the relevant guides for more detailed information.

1.1. Release History

Date	Version
2017-03-24	AnyLink 7

2. AnyLink 7

This chapter briefly describes the main features and strengths of AnyLink 7.

2.1. Key Features

AnyLink offers user-friendly development and operational capabilities by integrating individual interface features. It provides a comprehensive and scalable architecture to support the integration requirements of diverse systems, enabling centralized management of interface systems across the enterprise.

2.1.1. Execution Environment

- **Loosely Coupled Service**

The loosely coupled service minimizes inter-system dependency and enables flexible service implementation.

- **Various Interface Patterns**

Simple integration patterns are applied for large-scale transaction processing to ensure high performance.

Pattern	Description
Simple Mapping & Routing	Maps front-end messages and routes them to the back-end application.
ByPass	Bypasses a specific adapter or client.
Content-Based Routing, Dynamic Routing	Routes transactions based on message content or reference information.
Split	Splits a single transaction request into multiple branches.

- **Message Reassembly**

Multiple transactions can be processed in parallel by extracting pre-transaction information through service processing data.

- **Built-in Adapter**

Integration with systems, channels, and external organizations is simplified through various built-in adapters. These adapters combine the capabilities of different EAI adapters for internal system integration and communication gateways for connecting internal and external systems.

- **Remote Adapter**

When the target system is located remotely, a remote adapter enables stable data integration

while improving ease of management.

- **Channel Component**

The architecture and channel adapters support various protocols and message formats tailored to the needs of channel clients such as terminals, CD/ATMs, call centers, and Internet banking platforms.

2.1.2. Production Environment

- **Integrated Monitoring**

Integrated monitoring is provided based on logs collected from physically distributed servers and adapters.

- **Remote Environment Management**

WebAdmin enables starting and stopping of specific services in remote environments, adding specific endpoints, and controlling transactions by service.

- **Hot Deployment**

The GUI-based development environment supports the definition and deployment of resources, such as service flows, and enables hot deployment, allowing immediate reflection without restarting the production system.

- **Access Permission Management**

Data is protected through user and message authentication, access permission settings, electronic signatures, and encryption of transaction history and related data.

2.1.3. Development Environment

- **Integrated Development Environment**

The GUI-based environment supports configuration-driven development, including adapter definition, service flow definition, and message conversion.

- **Definition of BizTx**

BizTxs are defined to represent business-level processes and resources are managed based on these BizTxs to provide a business-oriented perspective.

- **GUI-Based Message Parsing**

The GUI environment enables message parsing for commonly used communication protocols, including web services, TCP, databases (DB), and FTP.

- **Channel Scalability**

The administrator adds or modifies communication adapters in WebAdmin when new channels are introduced.

- **Rules-Based Message Conversion**

AnyLink Studio enables rule-based message conversion by allowing users to create inbound and outbound rules and call them from adapters before designing service flows.

2.2. Product Strengths

- **Unified Interface Model**

- By integrating the common features of individual interface systems at the engine level, individual functionalities are delivered in a unified manner within a single engine architecture.
- In addition to supporting basic internal and external system integration, AnyLink also offers message queue-based integration using a file storage method that ensures reliable message delivery.

- **Massive Scalability and High Availability**

- A cloud-based architecture enables flexible scaling and stable, high-performance data processing in large-scale environments.
- Performance remains consistent even with numerous large-scale transaction requests, thanks to parallel processing. High performance is achieved through TCP and HTTP-based parallel processing (Async Servlet).

- **Interface Standardization**

- To reduce the complexity of enterprise-wide interface environments, a unified environment is provided for both interface development and operation.
- Rule-based development using standardized design methods enhances flexibility and efficiency in both development and operation.

2.3. Product Components

AnyLink consists of Studio, Remote Agent, Runtime Engine (RTE), WebAdmin, and Data Integration Server (DIS).

- **Studio**

The Eclipse-based tool provides an integrated development environment (IDE) for defining transactions and related resources. It supports the definition of transactions, messages, message mappings, parsing rules, flows, outbound rules, and user classes. Once resources are defined in Studio, they are saved to DIS, then deployed to RTE. The resources saved in DIS can be downloaded for development. For more information, refer to *AnyLink Studio Guide*.

- **Remote Agent**

To process transactions sent to or received from a remote location, a remote agent is used on a remote server. The remote agent handles inbound and outbound messages on behalf of the adapter endpoint and communicates with the hub endpoint via TCP tunneling.

- **Runtime Engine (RTE)**

The runtime engine consists of a resource manager, adapters, delivery channels, and a flow engine. For more information, refer to *AnyLink Runtime Engine Server Guide*.

- **WebAdmin**

WebAdmin is a management tool used for system administration, configuration, deployment, monitoring, and user management. For more information, refer to *AnyLink WebAdmin Guide*.

- **Data Integration Server (DIS)**

DIS stores and manages resources defined in Studio, as well as configuration and setting information defined in WebAdmin, within its repository. It processes this information into the format required by RTE and deploys it accordingly. DIS can monitor RTE performance in real time or compute statistics based on transaction data stored in the database. It also facilitates AnyLink configuration by querying JEUS domain configuration information, data sources, and more through JEUS DAS (Domain Administration Server).