

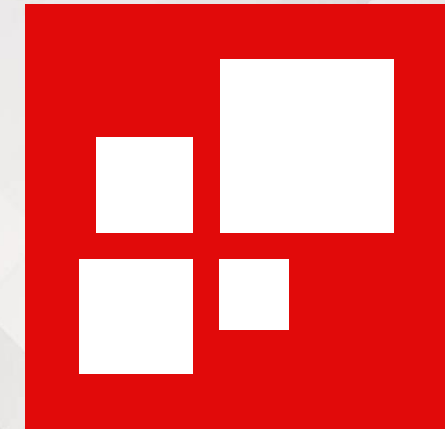
# SEEBURGER

>< Connect >> Automate >>> Innovate

 Webcast Series

## Innovations & Optimizations of the SEEBURGER Business Integration Suite

BIS Innovations Delivered  
Q2 2024



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SEEBURGER

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# SEEBURGER BIS Platform

## Guiding Principles and Statement of Direction

### User Experience

**Empower any type of user to create value**

- Value configuration over development with a no-code / low-code integration platform
- Improve user efficiency and productivity
- Enable your teams to manage the platform with one consistent, easy-to-use UI

### Integration Capabilities

**Support any integration capability in any cloud**

- Pre-invest in new technologies to maximize business value
- Continue to adopt industry standards and comply with regulations
- Allow consumption of integration capabilities by hiding technical complexity

### Technology Advantage

**Scale, perform and adapt to technological advances and security requirements**

- Provide a stable, robust, reliable, and secure “invisible core” platform
- Support a scalable microservices architecture, independent of integration style
- Ensure scalability and high performance

### Operational Cost Reduction

**Reduce effort and operational costs**

- Minimize efforts to run, manage and maintain our core platform
- Enable complete landscape management in mixed deployment models
- Maximize the option to use cost-friendly third-party applications as databases required to run the platform

### Deployment Models

**Deploy dynamically anywhere, anytime, fully automated**

- Deployable in all hyperscaler cloud providers, including support for cloud-native services
- Support mixed (hybrid) deployment options, including on-premises deployments
- Deployable in container environments, including support for multi cloud and subscriptions

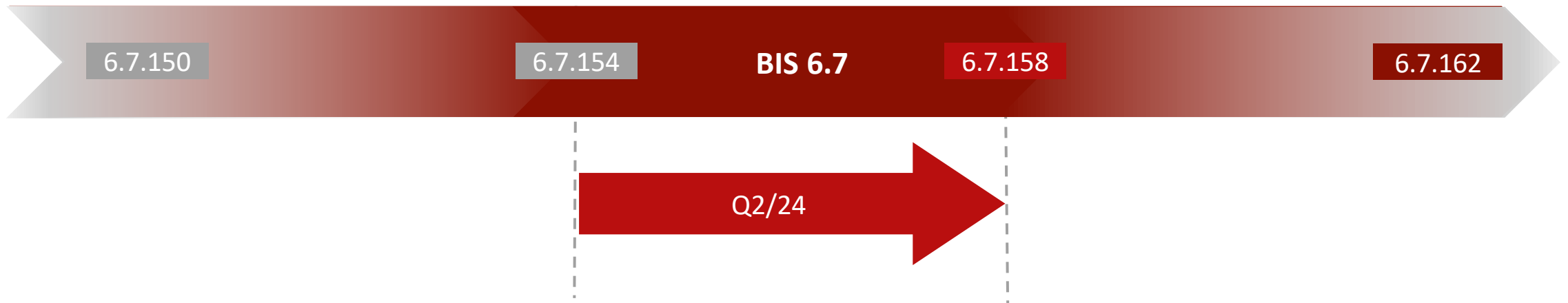
# SEEBURGER Business Integration Suite – Roadmap

## Major Release Cycle

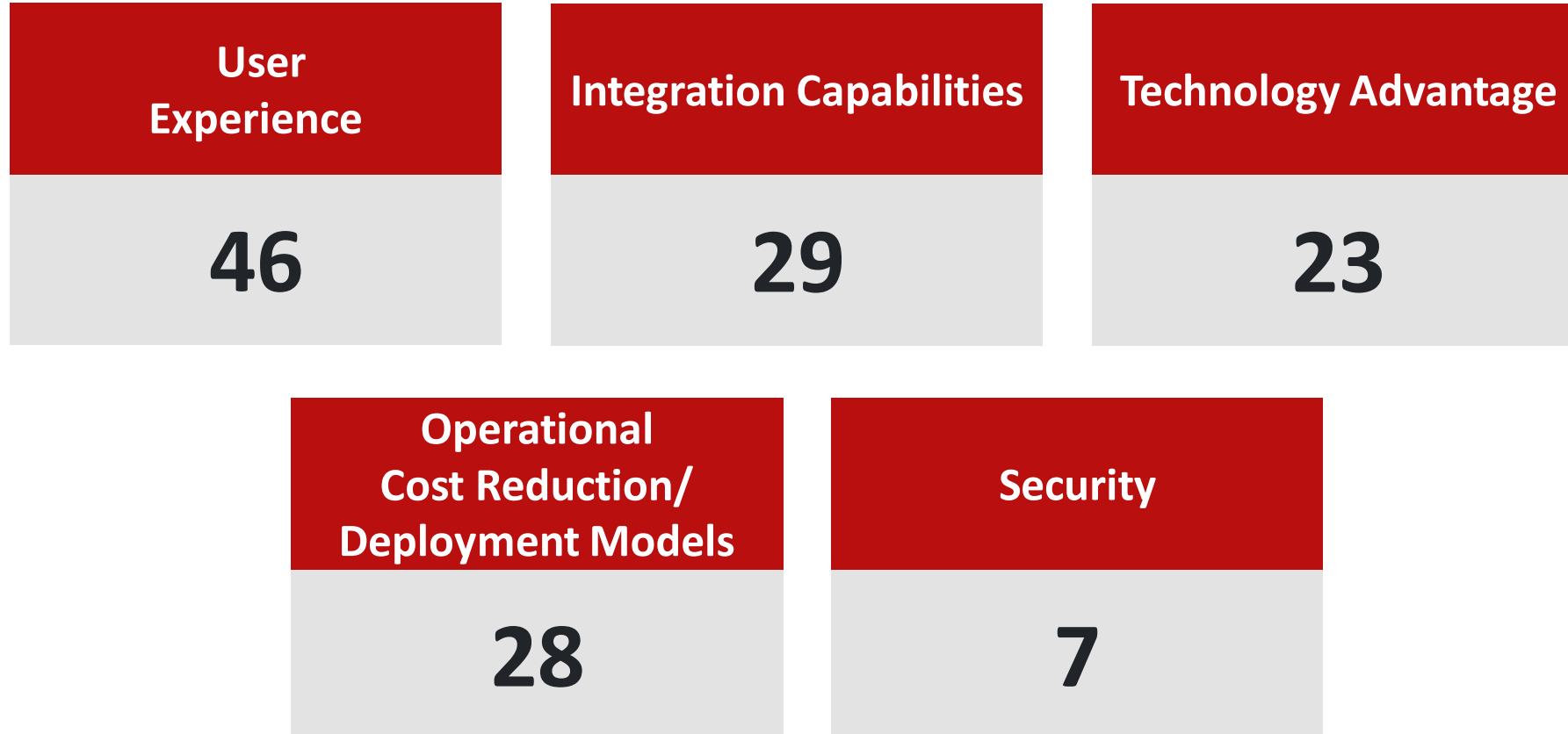
BIS DataStore  
BIS Landscape Manager  
BIS Information Management  
BIS Advanced Deployment  
(Maven Build for Maps, C. Checks)  
BIS API Gateway and Management  
BIS E-Invoicing Solution

BIS Mapper for API/EAI/IoT  
BIS IoT Adapters (HDFS,  
MQTT, Kafka, OPC-UA)  
BIS App Framework + Apps  
BIS PostgreSQL-SystemDB  
BIS Karaf Platform

Continuous Availability  
Container Support (Setup, Update, Dynamic Scaling)  
Java F-E Replacement Completion  
BIS Connectors, Improved User Experience,  
BIS MT Statistics, BIS MT/IM Automation  
Process Engine Grouping  
Advanced Process Priority Control  
AI Assistance



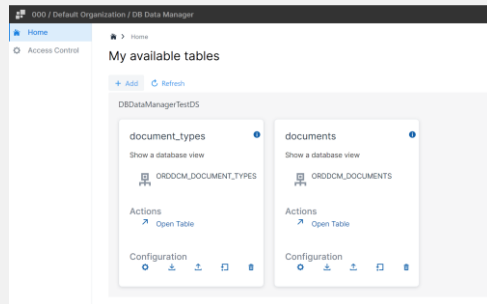
# Major Increments Delivered in Q2 2024



# Demos for Today's Session

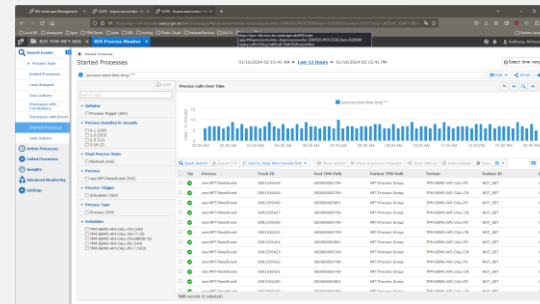
## User Experience

### DB Data Manager



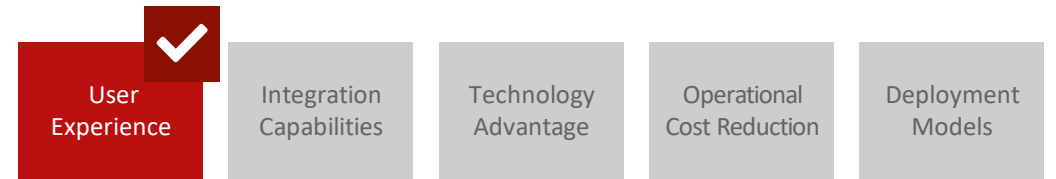
## Operational Cost Reduction

### Message Tracking Actions and Journal





# User Experience Status End of Q2 2024



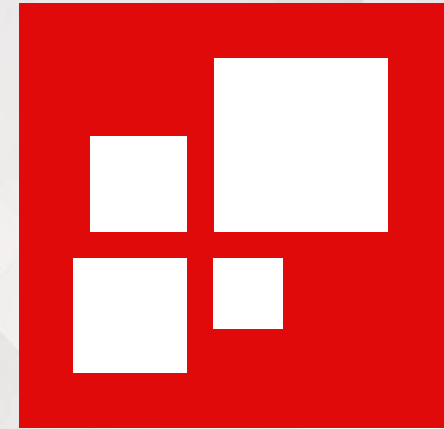
## Recently Released (Includes Service Packs 155 - 158)

### User Interface

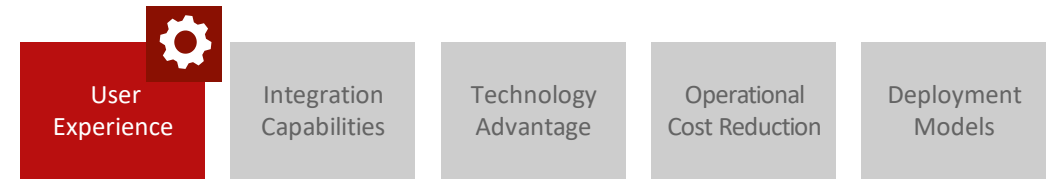
- DB Data Manager
- Master Data Navigator
- Message Tracking
- Control Center
- File Viewer
- Classic Front-end
- New app: Manage data in external database tables
- Improved search for object dependencies
- Improved granularity of object permissions
- Improved performance for collections
- Improved data formats for export to Excel
- Adapter Interaction: View attachments in request and response
- Display binary Avro files as text
- Removed from installation

# Live Demo:

DB Data Manager



# User Experience Statement of Direction



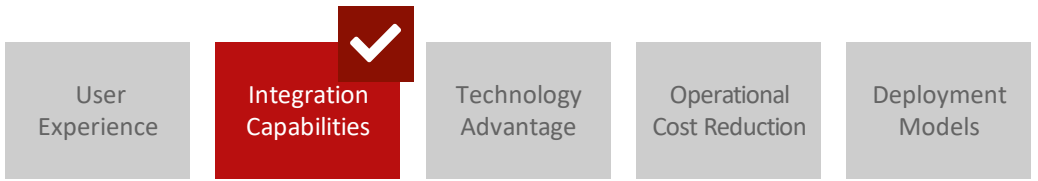
## Planned (Implementation & Future Backlog)

### User Interface

- Process Monitor
- Master Data Navigator
- BIS Mapper
- File Viewer
- User Management
- Advanced search with process collections
- Granular access permissions for entities
- Advanced debugging support
- Define use cases for AI assistant in the context of API integration
- Improve display of structured message formats (EDIFACT, X12 etc.)
- Finalize harmonization of default groups and roles

# Integration Capabilities

## Status End of Q2 2024



### Recently Released (Includes Service Packs 155 - 158)

#### BIS Mapping Runtime

- Added support for IDoc namespaces
- New utility functions for Base64 encoding and decoding
- Improved robustness of multi-document output

#### OpenPGP Adapter

- Default to AES-256 encryption and SHA-256 hash algorithms

#### SFTP Client Adapter

- Improved file name configuration for multipart upload
- Improved error details for SSH remote command

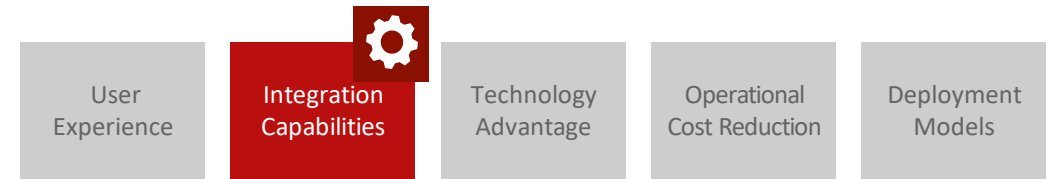
#### LDAP Client Adapter

- Support for HTTP and SOCKS proxies

#### Mailbox Adapter

- New unified multi-communication adapter and app – **in limited preview**

# Integration Capabilities Statement of Direction



## Planned (Implementation & Future Backlog)

### BIS Mapping Runtime

- Support for debug reports of mapping executions

### HTTP Client Adapter

- Support for client authentication with token refresh from custom API

### Mail Client Adapter

- Support for Microsoft 365 mail accounts via Microsoft Graph API

### Platform

- Update of platform's technical API documentation to OpenAPI 3

### SEEBURGER Connectors

- Ongoing research and implementation of new SEEBURGER Connectors

# Technology Improvements

## Status End of Q2 2024

User  
Experience

Integration  
Capabilities

Technology  
Advantage

Operational  
Cost Reduction

Deployment  
Models



### Recently Released (Includes Service Packs 155 - 158)

#### Security

- Major update from Java 17 to 21
- New Java runtime: Zulu 21.34.20 (SA)
- For a full list of all security-related topics, please see the release notes.

#### Microsoft JDBC Driver for SQL Server

- Default for new installations
- Updated to 12.6.2

#### Operating System

- Support for Amazon Linux 2023 (for AWS EC2)

# Technology Improvements Statement of Direction

User  
Experience

Integration  
Capabilities

Technology  
Advantage

Operational  
Cost Reduction

Deployment  
Models



## Planned (Implementation & Future Backlog)

- |                        |  |
|------------------------|--|
| <b>BIS Link</b>        | <ul style="list-style-type: none"><li>• Technology uplift of BIS Link infrastructure</li></ul>   |
| <b>User Management</b> | <ul style="list-style-type: none"><li>• Integrate with System for Cross-domain Identity Management (SCIM v2)</li><li>• Login with OpenID</li></ul>   |
| <b>Platform</b>        | <ul style="list-style-type: none"><li>• Support for system database credentials stored in HashiCorp Vault</li><li>• Support for system database authentication with Azure Active Directory, Kerberos</li></ul> |

# Operational Cost Reduction Status End of Q2 2024

User  
Experience

Integration  
Capabilities

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Advantage

Operational  
Cost Reduction

Deployment  
Models



## Recently Released (Includes Service Packs 155 - 158)

### Process Engine

- Improved priority handling: Default for new installations
- Reduced database footprint: Option to disable writing process info fields

### Smart Retry

- Create and manage different profiles

### Message Tracking

- Journal: Review user actions for workflow

### Solution Deployment

- Deploy process solutions automatically via Deployment Manager hot folders

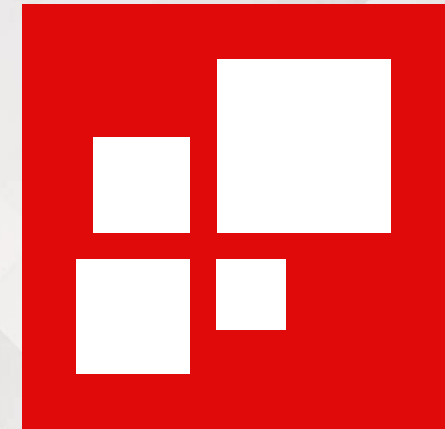
### BIS FX

- Migrate directly to latest version avoiding intermediate step to 6.7.150



# Live Demo:

Message Tracking  
Actions and Journal



# Operational Cost Reduction Statement of Direction

User  
Experience

Integration  
Capabilities

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Advantage

  
Operational  
Cost Reduction

Deployment  
Models

## Planned (Implementation & Future Backlog)

### Process Engine

- Harmonize reorganization of Process Monitor and other monitoring data
- Improve reorganization of processes based on status

### User Management

- Lock inactive users automatically

### Platform

- Migrate tenant from one system to another or from one logical system to another

# Deployment Models

## Status End of Q2 2024

User  
Experience

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Cost Reduction

Deployment  
Models



### Recently Released (Includes Service Packs 155 - 158)

#### Developer Studio

- Support of hotfixes for individual plugins like BIS Mapping Designer

#### BIS FX

- Separation of HTTP listener applications for BIS FX:
  - General
  - API
  - Permits
  - Admin Console

#### BIS Landscape Manager

- Improved SAP JCo and SAP SNC resource installation
- Enforce DiffDB repair operation during repair installation

# Deployment Models

## Statement of Direction

User  
Experience

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Cost Reduction

Deployment  
Models



### Planned (Implementation & Future Backlog)

#### BIS Platform

- Cloud/Docker/Kubernetes Support
- Dynamic and Elastic scaling support
- Application/Service as Code
- Additional Cloud Native DB variant support



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