## SEEBURGER

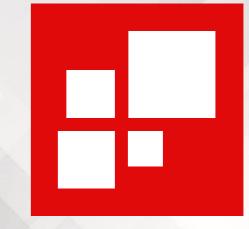


Connect Automate Innovate

**U** Webcast Series

## Innovations & Optimizations of the SEEBURGER Business Integration Suite

BIS Innovations Delivered Q2 2024







#### SEEBURGER

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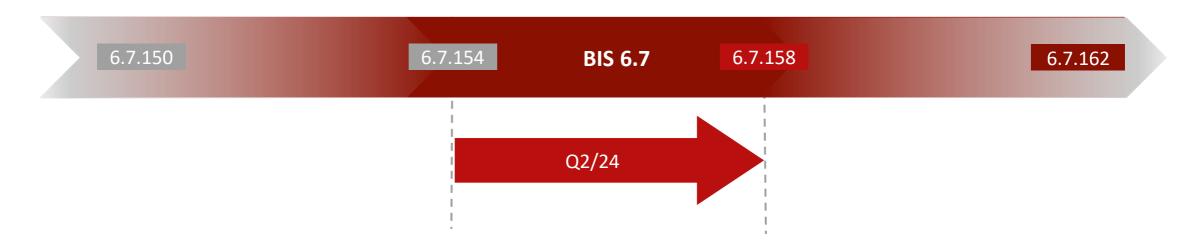
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## SEEBURGER BIS Platform Guiding Principles and Statement of Direction

User Experience	Integration Capabilities	Technology Advantage	Operational Cost Reduction	Deployment Models
Empower any type of user to create value	Support any integration capability in any cloud	Scale, perform and adapt to technological advances and security requirements	Reduce effort and operational costs	Deploy dynamically anywhere, anytime, fully automated
<ul> <li>Value configuration over development with a no-code / low-code integration platform</li> <li>Improve user efficiency and productivity</li> <li>Enable your teams to manage the platform with one consistent, easy-to- use UI</li> </ul>	<ul> <li>Pre-invest in new technologies to maximize business value</li> <li>Continue to adopt industry standards and comply with regulations</li> <li>Allow consumption of integration capabilities by hiding technical complexity</li> </ul>	<ul> <li>Provide a stable, robust, reliable, and secure "invisible core" platform</li> <li>Support a scalable microservices architecture, independent of integration style</li> <li>Ensure scalability and high performance</li> </ul>	<ul> <li>Minimize efforts to run, manage and maintain our core platform</li> <li>Enable complete landscape management in mixed deployment models</li> <li>Maximize the option to use cost-friendly third-party applications as databases required to run the platform</li> </ul>	<ul> <li>Deployable in all hyperscaler cloud providers, including support for cloud-native services</li> <li>Support mixed (hybrid) deployment options, including on-premises deployments</li> <li>Deployable in container environments, including support for multi cloud and subscriptions</li> </ul>

# 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

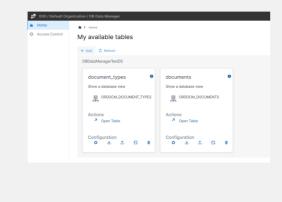
User Experience	Integration Capabilities	Technology Advantage
46	29	23

Operational Cost Reduction/ Deployment Models	Security
28	7

#### Demos for Today's Session

#### **User Experience**

#### **DB Data Manager**



#### Operational Cost Reduction

#### Message Tracking Actions and Journal

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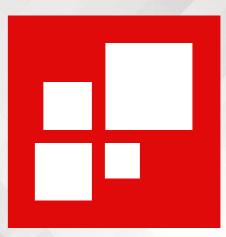
## User Experience Status End of Q2 2024

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User	Integration	Technology	Operational	Deployment
Experience	Capabilities	Advantage	Cost Reduction	Models

	Recently Released (Includes Service Packs 155 - 158)		
User Interface			
DB Data Manager	New app: Manage data in external database tables		
<ul> <li>Master Data Navigator</li> </ul>	<ul> <li>Improved search for object dependencies</li> <li>Improved granularity of object permissions</li> <li>Improved performance for collections</li> </ul>		
Message Tracking	Improved data formats for export to Excel		
Control Center	Adapter Interaction: View attachments in request and response		
File Viewer	Display binary Avro files as text		
Classic Front-end	Removed from installation		

# Live Demo:

### DB Data Manager



## User Experience Statement of Direction

User	Integration	Technology	Operational	Deployment
Experience	Capabilities	Advantage	Cost Reduction	Models

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

### Integration Capabilities Status End of Q2 2024



	Recently Released (Includes Service Packs 155 - 158)
BIS Mapping Runtime	<ul> <li>Added support for IDoc namespaces</li> <li>New utility functions for Base64 encoding and decoding</li> <li>Improved robustness of multi-document output</li> </ul>
OpenPGP Adapter	<ul> <li>Default to AES-256 encryption and SHA-256 hash algorithms</li> </ul>
SFTP Client Adapter	<ul> <li>Improved file name configuration for multipart upload</li> <li>Improved error details for SSH remote command</li> </ul>
LDAP Client Adapter	Support for HTTP and SOCKS proxies
Mailbox Adapter	<ul> <li>New unified multi-communication adapter and app – in limited preview</li> </ul>

### Integration Capabilities Statement of Direction



	Planned (Implementation & Future Backlog)
BIS Mapping Runtime	<ul> <li>Support for debug reports of mapping executions</li> </ul>
HTTP Client Adapter	Support for client authentication with token refresh from custom API
Mail Client Adapter	<ul> <li>Support for Microsoft 365 mail accounts via Microsoft Graph API</li> </ul>
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

	Recently Released (Includes Service Packs 155 - 158)
Security	<ul> <li>Major update from Java 17 to 21</li> <li>New Java runtime: Zulu 21.34.20 (SA)</li> <li>For a full list of all security-related topics, please see the release notes.</li> </ul>
Microsoft JDBC Driver for SQL Server	<ul> <li>Default for new installations</li> <li>Updated to 12.6.2</li> </ul>
Operating System	<ul> <li>Support for Amazon Linux 2023 (for AWS EC2)</li> </ul>

### Technology Improvements Statement of Direction



	Planned (Implementation & Future Backlog)
BIS Link	
	<ul> <li>Technology uplift of BIS Link infrastructure</li> </ul>
User Management	<ul> <li>Integrate with System for Cross-domain Identity Management (SCIM v2)</li> <li>Login with OpenID</li> </ul>
Platform	<ul> <li>Support for system database credentials stored in HashiCorp Vault</li> <li>Support for system database authentication with Azure Active Directory, Kerberos</li> </ul>

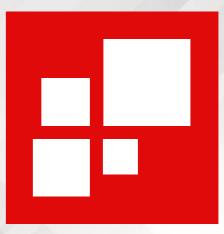
### Operational Cost Reduction Status End of Q2 2024

				<b>~</b>	
User Experience	Integration Capabilities	Technolog Advantage	,	Operational Cost Reduction	Deployment Models

	Recently Released (Includes Service Packs 155 - 158)					
Process Engine	<ul> <li>Improved priority handling: Default for new installations</li> <li>Reduced database footprint: Option to disable writing process info fields</li> </ul>					
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	<ul> <li>Migrate directly to latest version avoiding intermediate step to 6.7.150</li> </ul>					

# Live Demo:

Message Tracking Actions and Journal



### Operational Cost Reduction Statement of Direction

User	Integration	Technology	Operational	Deployment
Experience	Capabilities	Advantage	Cost Reduction	Models

	Planned (Implementation & Future Backlog)						
Process Engine	<ul> <li>Harmonize reorganization of Process Monitor and other monitoring data</li> <li>Improve reorganization of processes based on status</li> </ul>						
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	2	Integration Capabilities	Technology Advantage	Operational 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	<ul> <li>Separation of HTTP listener applications for BIS FX:         <ul> <li>General</li> <li>API</li> <li>Permits</li> <li>Admin Console</li> </ul> </li> </ul>					
BIS Landscape Manager	<ul> <li>Improved SAP JCo and SAP SNC resource installation</li> <li>Enforce DiffDB repair operation during repair installation</li> </ul>					

## Deployment Models Statement of Direction

				<b>Q</b>	
User Experience	Integration Capabilities	Technology Advantage	Operational Cost Reduction	Deployment Models	

	Planned (Implementation & Future Backlog)
BIS Platform • Cloud/Docker/Kubernet es Support	<ul> <li>Dynamic and Elastic scaling support</li> <li>Application/Service as Code</li> <li>Additional Cloud Native DB variant support</li> </ul>



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