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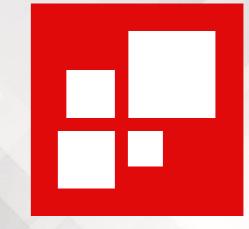


Connect Automate Innovate

U Webcast Series

Innovations & Optimizations of the SEEBURGER Business Integration Suite

BIS Innovations Delivered Q2 2024







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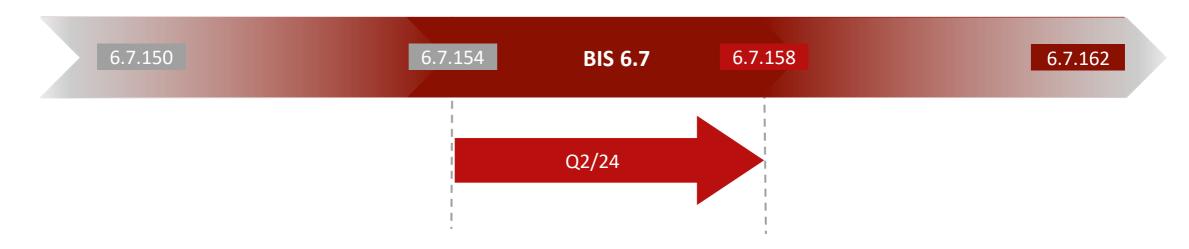
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SEEBURGER BIS Platform Guiding Principles and Statement of Direction

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

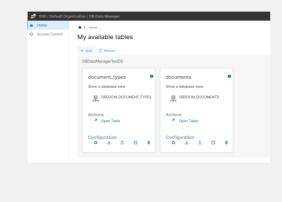
User Experience	Integration Capabilities	Technology Advantage
46	29	23

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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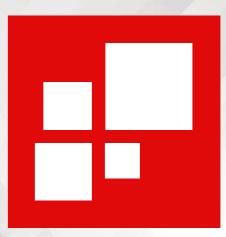
User Experience Status End of Q2 2024

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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		
 Master Data Navigator 	 Improved search for object dependencies Improved granularity of object permissions Improved performance for collections 		
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	 Advanced debugging support Define use cases for AI assistant in the context of API integration 	
File Viewer	 Improve display of structured message formats (EDIFACT, X12 etc.) 	
User Management	 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

	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



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

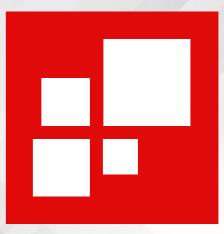
Operational Cost Reduction Status End of Q2 2024

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User Experience	Integration Capabilities	Technolog 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	Integration	Technology	Operational	Deployment
Experience	Capabilities	Advantage	Cost Reduction	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	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	 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

				Q	
User Experience	Integration Capabilities	Technology Advantage	Operational Cost Reduction	Deployment Models	

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



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