



SAP DISCOVERY DAY ROMANIA

AWS for SAP

Powering business transformation
with generative AI

Aimen Dridi

SAP on AWS Lead CEE & Austria

7000+ of SAP customers trust AWS

HEALTHCARE & LIFE SCIENCES



ENERGY & NATURAL RESOURCES



RETAIL & CONSUMER GOODS



MEDIA & ENTERTAINMENT



PUBLIC SECTOR & DEFENSE



AUTOMOTIVE & TRANSPORTATION



MANUFACTURING & INDUSTRIAL



AGRICULTURE, CPG, & FOOD/BEV



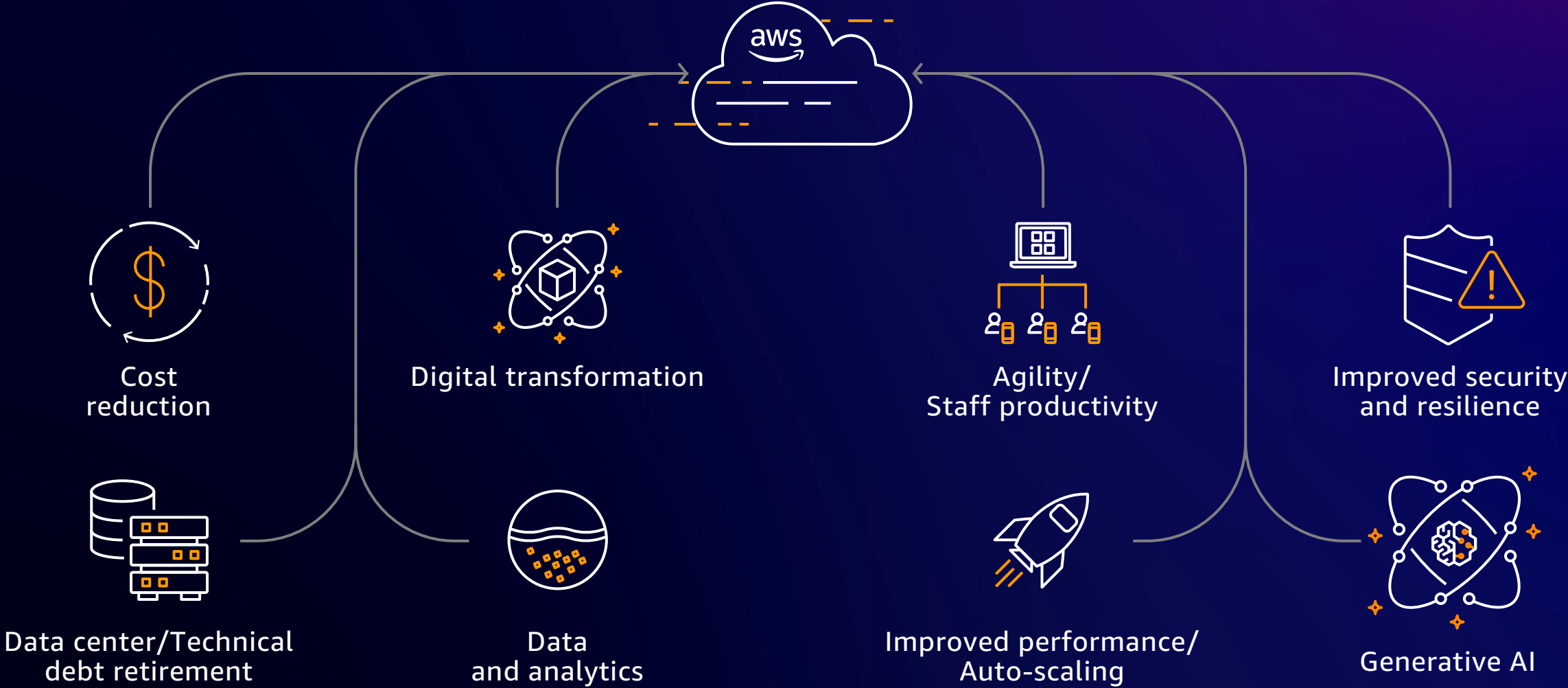
PROFESSIONAL/ FINANCIAL SERVICES



TECHNOLOGY



Business drivers for an SAP cloud migration



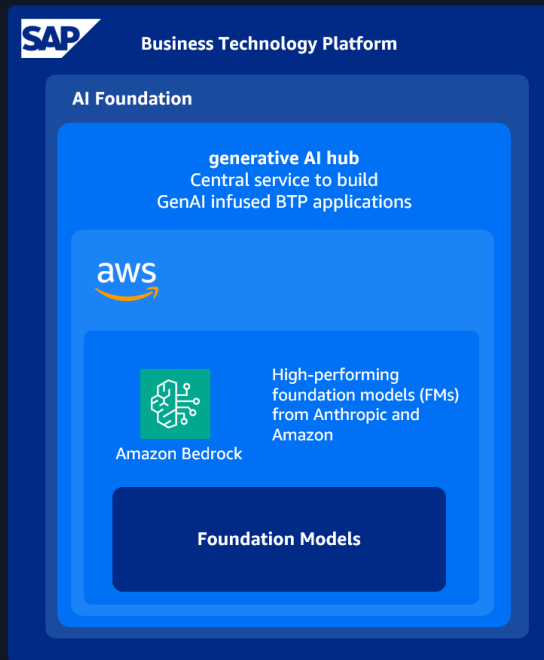
“ AWS and SAP, we are great partners since over 16 years ... Thousands of customers have selected AWS and SAP to run their mission-critical workloads... AWS is not only powering RISE, our platform, but is also powering SAP Business AI across the stack. ”

Christian Klein

CEO & Member of the Executive Board of SAP SE

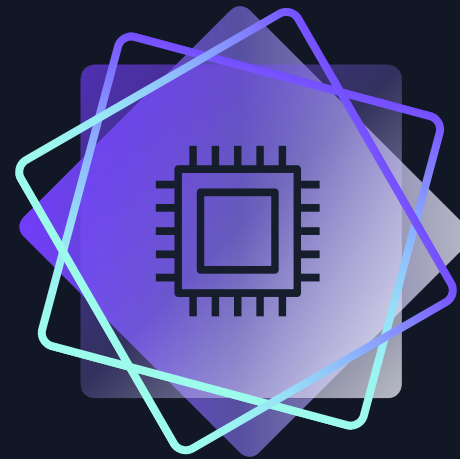


AWS and SAP unlock innovation with generative AI



SAP Generative AI Hub

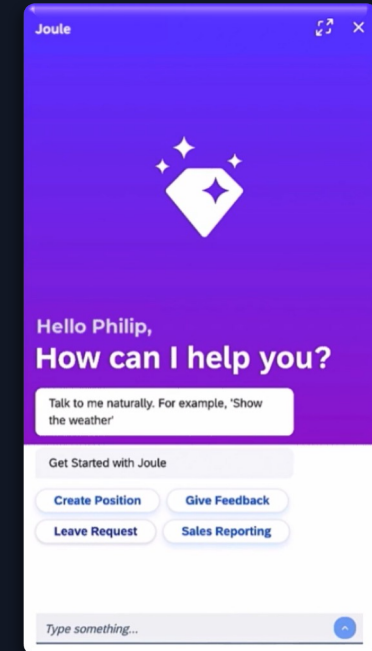
Access leading foundation models from Amazon Bedrock in your SAP BTP environment



AWS Trainium
AWS Inferentia

SAP Business AI

SAP to use AWS chips to train and deploy future SAP Business AI offerings¹



Joule

SAP's AI assistant Joule runs on AWS data centers²:



Clean core + BTP + AWS = Innovation

Enabling the 'data driven enterprise'

↑
Revenue
Growth

Data-driven
decision making

Delight
customers

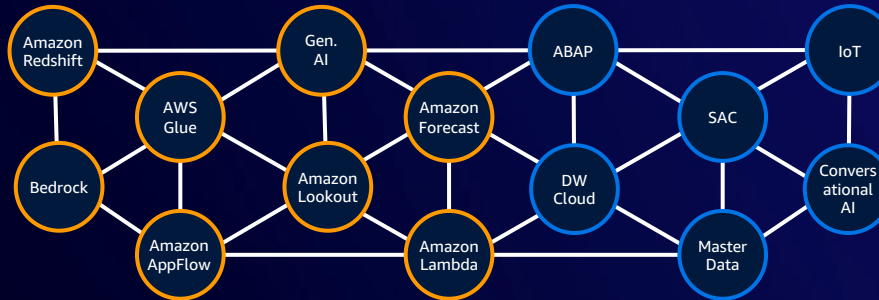
Increase
production

Optimize
supply chain

Operational
Overhead

New revenue
sources

Increased
efficiency



Differentiation Layer
Build to change

Application Layer
Build to consume

Infrastructure Layer
Build to last

- SAP
- AWS



Finance manager

SAP FINANCE INSIGHTS WITH CHATBOT AND NLP

Key challenges

- Long lead time to analyze data and uncover insights
- Inability to quickly relay resulting insights
- Ever-changing reporting requirements add complexity to report development

Benefits of generative AI

- Generate insights dynamically based on natural language prompt
- Provide near real-time insights from SAP data for CFO and Finance team to accelerate decision making
- Create and share summarized insights via e-mail



Amazon Lex



Amazon Kendra



Amazon S3



Amazon Bedrock



Manage Finance in new ways with generative AI

Generative AI Assistant for SAP Finance ?

What are top 5 revenue regions for q3 2023 in descending order also provide corresponding revenue? ▶



Business use cases with AWS GenAI for SAP



C-Suite Office

Generate Email with real-time insights for C-Suite from SAP reports, using **AWS SDK for SAP ABAP** and **Amazon Bedrock**



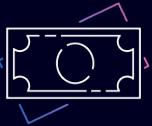
Procurement Manager

Access structured and unstructured data in natural language prompts with **Amazon Bedrock**, **SAP BTP** and **SAP Datasphere**



Finance Audit Manager

Gather real-time audit insights with Conversational AI using **Amazon Bedrock** and **SAP BTP**



Order-to-Cash Analyst

Improve decision making and analyze SAP data using generative BI capabilities with **Amazon QuickSight**



Master Data Manager

Generate product descriptions or images with **Amazon Bedrock** and **SAP Fiori**



Accounts Payable Manger/Auditor

Anomaly detection and real-time insights with **AWS SDK for SAP ABAP**, **Amazon Textract** and **Amazon Q**



Sales Account Manager

Gain customer insights by summarizing and analyzing documents with **Amazon Bedrock**, **SAP Fiori** and **SAP BTP**



Sales Inventory Analyst

Gather real-time insights in natural language prompts with **Amazon Bedrock** and **SAP Datasphere**



Legal or Policy Manager

Gain insights from Policy documents with **Amazon Bedrock** and **SAP BTP**

ABAP Developer

SPEED ABAP DEVELOPMENT WITH GENERATIVE AI

Key challenges

- Productivity loss incurred searching for ABAP code
- Long lead time to analyze ABAP programs
- Business risk due to lack of ABAP documentation

Benefits of generative AI

- Accelerate ABAP code development and documentation
- Improve productivity of ABAP developers
- Enable path to clean core and transformation



Amazon Bedrock



AWS Identity and
Access Management

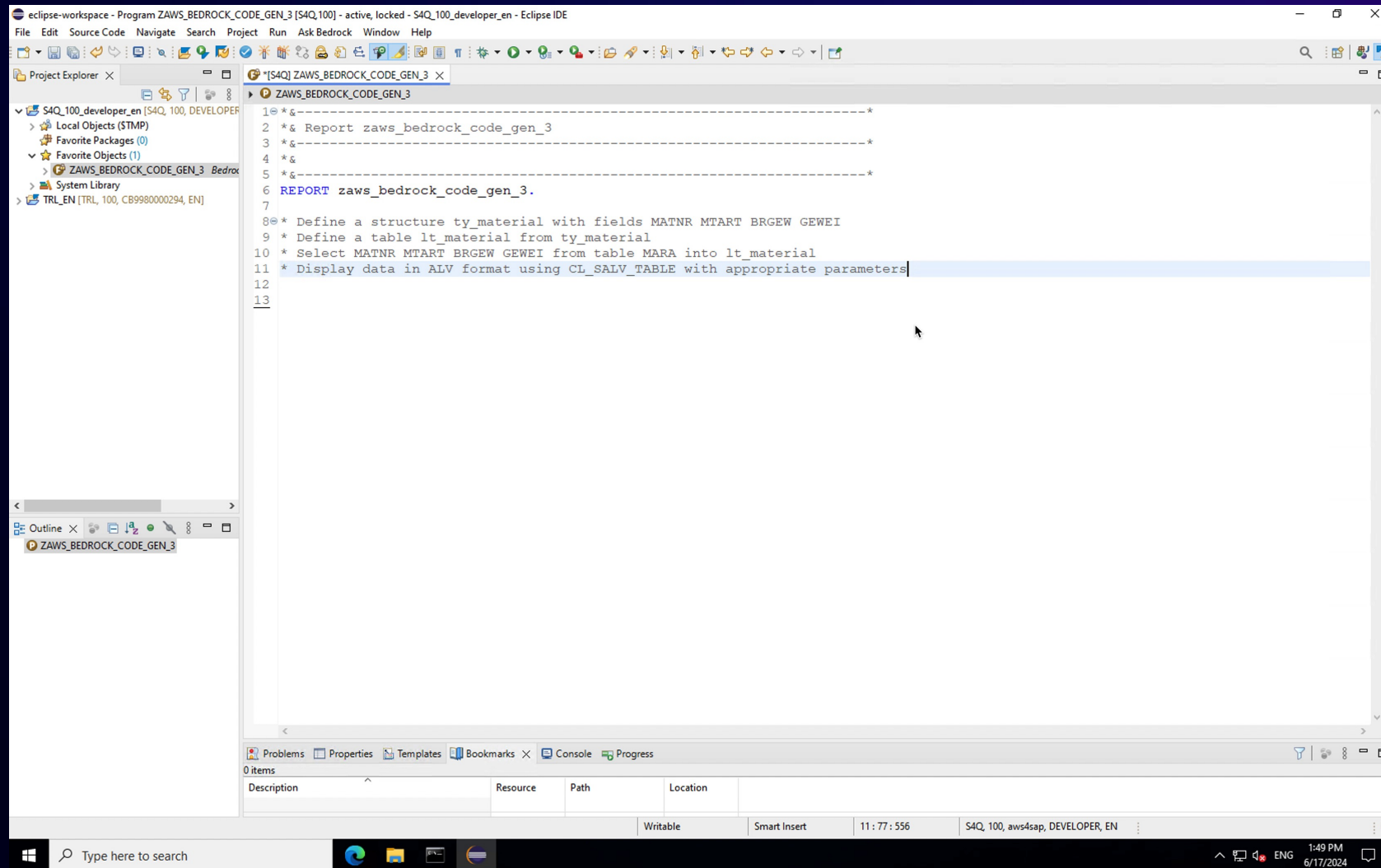


AWS IAM Identity
Center



Accelerate ABAP code generation

IMPROVE PRODUCTIVITY OF ABAP DEVELOPERS AND ENABLE A PATH TO CLEAN CORE



The screenshot shows the Eclipse IDE interface with the following components:

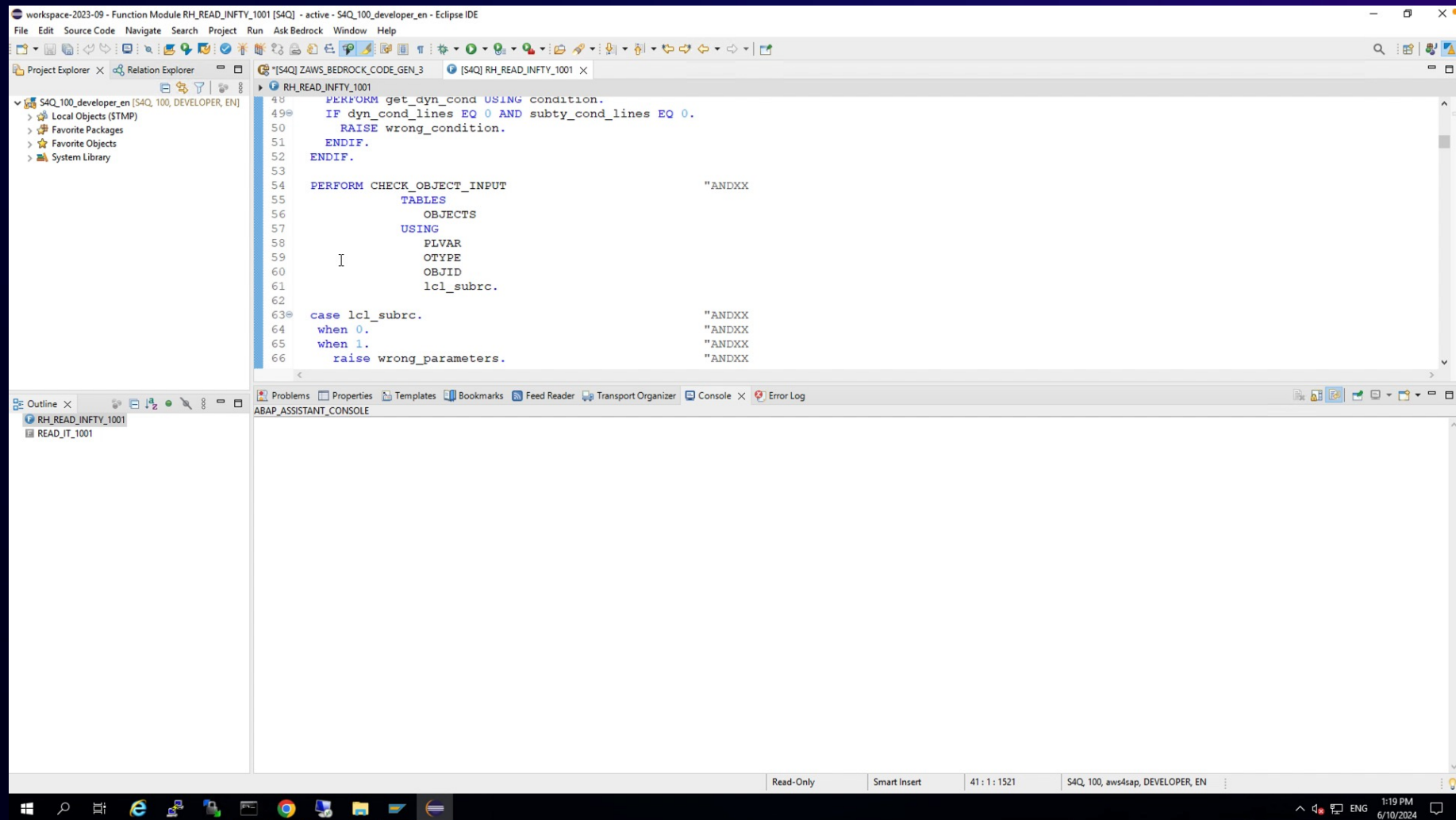
- Project Explorer:** Shows the project structure for 'S4Q_100_developer_en' and 'ZAWS_BEDROCK_CODE_GEN_3'.
- Main Editor:** Displays the ABAP code for the report 'zaws_bedrock_code_gen_3'. The code includes comments and a report definition.
- Outline:** Shows the current file 'ZAWS_BEDROCK_CODE_GEN_3'.
- Bottom Panel:** Includes 'Problems', 'Properties', 'Templates', 'Bookmarks', 'Console', and 'Progress' tabs. A table with columns 'Description', 'Resource', 'Path', and 'Location' is visible.
- Status Bar:** Shows 'Writable', 'Smart Insert', '11: 77: 556', and 'S4Q_100, aws4sap, DEVELOPER, EN'.

```
1 *-----*
2 * Report zaws_bedrock_code_gen_3
3 *-----*
4 *
5 *-----*
6 REPORT zaws_bedrock_code_gen_3.
7
8 * Define a structure ty_material with fields MATNR MTART BRGEW GEWEI
9 * Define a table lt_material from ty_material
10 * Select MATNR MTART BRGEW GEWEI from table MARA into lt_material
11 * Display data in ALV format using CL_SALV_TABLE with appropriate parameters
12
13
```



Accelerate ABAP program documentation

IMPROVE PRODUCTIVITY OF ABAP DEVELOPERS AND ENABLE A PATH TO CLEAN CORE



The screenshot displays the Eclipse IDE interface with the following components:

- Project Explorer:** Shows the project structure for 'S4Q_100_developer_en [S4Q, 100, DEVELOPER, EN]' with subfolders for 'Local Objects (STMP)', 'Favorite Packages', 'Favorite Objects', and 'System Library'.
- Code Editor:** Displays the ABAP source code for 'RH_READ_INFNTY_1001'. The code includes:

```
48 PERFORM get_dyn_cond USING condition.  
49 IF dyn_cond_lines EQ 0 AND subty_cond_lines EQ 0.  
50 RAISE wrong_condition.  
51 ENDIF.  
52 ENDIF.  
53  
54 PERFORM CHECK_OBJECT_INPUT "ANDXX  
55 TABLES  
56 OBJECTS  
57 USING  
58 FLVAR  
59 OTYPE  
60 OBJID  
61 lcl_subrc.  
62  
63 case lcl_subrc. "ANDXX  
64 when 0. "ANDXX  
65 when 1. "ANDXX  
66 raise wrong_parameters. "ANDXX
```
- Outline:** Lists the program 'RH_READ_INFNTY_1001' and its subprogram 'READ_IT_1001'.
- Problems/Console:** Shows 'ABAP_ASSISTANT_CONSOLE'.
- Status Bar:** Indicates 'Read-Only', 'Smart Insert', and the current file path 'S4Q_100_aws4sap, DEVELOPER, EN'.



Reimagine your business processes

81

SAP BTP services run on AWS, more than any CSP¹

200+

AWS services in analytics, IoT, AI/ML, and more

Document processing

with Amazon Textract and SAP BTP Adobe Form Print

Custom app development

with SAP Build Apps running on AWS

Forecasting

with Amazon SageMaker and SAP Datasphere

Quality management

with Amazon Lookout for Vision and SAP Quality Management

Predictive maintenance

with Amazon IoT and SAP BTP

1. As of October 2024: <https://discovery-center.cloud.sap/viewServices>



How customers are transforming their businesses with AWS for SAP



Apollo Tyres

Streamlined SAP landscape with RISE on AWS and **unified SAP and non-SAP data** in multi-PB data lake
AWS IoT Core and Amazon SageMaker used to achieve **15% productivity gains** via machine optimization



INVISTA

Uses AWS AI/ML to conduct **visual inspection** to reduce defects, employ **predictive maintenance** to reduce downtime
SAP ERP data powers **fully-automated restocking**, helping further goal of \$300M in operational value



moderna

Used AWS AI/ML to sequence and release the first batch of their COVID-19 vaccine in just 27 days.
Scaled S/4HANA system using infrastructure as code to support global distribution of **300M+ doses**.

How can AWS help in your cloud journey?

Build prototypes and scale in production



Participate in SAP Immersion Day



Conduct Proof of Concepts (POC)



AWS Migration Funding to accelerate

Get training tailored for every stage of your journey



Skills assessment



Blended training designed by AWS experts



Industry-recognized credentials

Find solutions and AWS Partners to fit your business needs



AWS Marketplace



Hundreds of use cases



Competency Partners

Your SAP on AWS team for today and beyond!

