

BusinessContext and RAG Flow Sample

Purpose of this sample

This document connects BusinessContext, identity.yaml, mcp_parameter_mapping.yaml and RAG ingestion for the agent_template_backend example.

It is useful for testing retrieval questions about how parameters reach MCP tools.

BusinessContext flow

The channel receives domain-specific parameters such as msisdn, cpf, customer_id, invoice_id, order_id, ura_call_id or ticket_id. The Identity Resolver maps those values to canonical fields in BusinessContext.

```
msisdn -> customer_key
invoice_id -> contract_key
ura_call_id -> interaction_key
session_id -> session_key
```

After the agent selects a tool, the MCP Parameter Mapper converts canonical fields back to tool-specific parameter names.

Tool mapping examples

Framework field	Telecom tool parameter
customer_key	msisdn
contract_key	invoice_id
interaction_key	ura_call_id
session_key	session_id

Framework field	Retail tool parameter
customer_key	customer_id
contract_key	order_id
interaction_key	ticket_id
resource_key	product_id

RAG ingestion hint

To test these PDFs with the RAG embedding generator, copy them into the docs directory and run the generate_rag_embeddings.py script. For a first test, use VECTOR_STORE_PROVIDER=sqlite and EMBEDDING_PROVIDER=mock. For semantic production usage, use EMBEDDING_PROVIDER=oci with OCI Generative AI embeddings.

```
python scripts/generate_rag_embeddings.py --docs-dir ./docs --namespace default
```