

contextIsKey - impact report.json

```
{
  "affected_assets": [
    {
      "critical": false,
      "hop": 1,
      "name": "fct_order_sales",
      "owners": [
        "commerce-analytics@astervale.demo"
      ]
    },
    {
      "critical": true,
      "hop": 2,
      "name": "loyalty_customer_value",
      "owners": [
        "loyalty-platform@astervale.demo"
      ]
    },
    {
      "critical": false,
      "hop": 2,
      "name": "regional_returns",
      "owners": [
        "store-operations@astervale.demo"
      ]
    },
    {
      "critical": true,
      "hop": 3,
      "name": "executive_revenue_dashboard",
      "owners": [
        "finance-data@astervale.demo"
      ]
    }
  ],
  "change": {
```

```
"column": "customer_id",
"current_type": "varchar",
"proposed_type": "bigint",
"source": "stg_orders.customer_id"
},
"company": "AsterVale Living",
"evidence": {
"confidence": "HIGH",
"datahub_assets": 4,
"hidden_sql_objects": 4,
"regions": 5,
"source": "Bundled AsterVale Living DataHub metadata"
},
"regional_exposure": [
{
"asset_names": [
"fct_order_sales",
"loyalty_customer_value",
"executive_revenue_dashboard"
],
"owners": [
"commerce-analytics@astervale.demo",
"loyalty-platform@astervale.demo",
"finance-data@astervale.demo"
],
"policy_flags": [
"CUSTOMER_DATA",
"CA_PRIVACY_REVIEW",
"EXECUTIVE_REPORTING"
],
"region": "NORTHEAST",
"risk": "HIGH",
"sql_objects": [
"usp_reconcile_loyalty_customer",
"vw_customer_revenue_bridge"
]
},
{
"asset_names": [
```

```
"fct_order_sales",
"regional_returns",
"executive_revenue_dashboard"
],
"owners": [
"commerce-analytics@astervale.demo",
"store-operations@astervale.demo",
"finance-data@astervale.demo"
],
"policy_flags": [
"EXECUTIVE_REPORTING"
],
"region": "SOUTH",
"risk": "MEDIUM",
"sql_objects": [
"usp_match_regional_returns",
"vw_customer_revenue_bridge"
]
},
{
"asset_names": [
"fct_order_sales",
"regional_returns",
"executive_revenue_dashboard"
],
"owners": [
"commerce-analytics@astervale.demo",
"store-operations@astervale.demo",
"finance-data@astervale.demo"
],
"policy_flags": [
"EXECUTIVE_REPORTING"
],
"region": "MIDWEST",
"risk": "MEDIUM",
"sql_objects": [
"usp_match_regional_returns",
"vw_customer_revenue_bridge"
]
}
```

```
},
{
  "asset_names": [
    "fct_order_sales",
    "loyalty_customer_value",
    "regional_returns",
    "executive_revenue_dashboard"
  ],
  "owners": [
    "commerce-analytics@astervale.demo",
    "loyalty-platform@astervale.demo",
    "store-operations@astervale.demo",
    "finance-data@astervale.demo"
  ],
  "policy_flags": [
    "CUSTOMER_DATA",
    "CA_PRIVACY_REVIEW",
    "EXECUTIVE_REPORTING"
  ],
  "region": "WEST",
  "risk": "HIGH",
  "sql_objects": [
    "usp_reconcile_loyalty_customer",
    "usp_match_regional_returns",
    "vw_customer_revenue_bridge"
  ]
},
{
  "asset_names": [],
  "owners": [],
  "policy_flags": [
    "REGION_METADATA_MISSING"
  ],
  "region": "UNKNOWN",
  "risk": "REVIEW",
  "sql_objects": [
    "usp_export_customer_segments"
  ]
}
```

```

],
"sql_dependencies": [
{
"confidence": "HIGH",
"manual_review_reason": null,
"match_kind": "convert",
"object_name": "usp_reconcile_loyalty_customer",
"object_type": "SQL_STORED_PROCEDURE",
"proposed_sql": "SELECT customer_id FROM loyalty.member_snapshot WHERE TRY_CONVERT(BIGINT,
customer_id) = @customer_id;",
"regions": [
"NORTHEAST",
"WEST"
],
"schema_name": "loyalty",
"snippet": "SELECT customer_id FROM loyalty.member_snapshot WHERE TRY_CONVERT(INT,
customer_id) = @customer_id;"
},
{
"confidence": "MEDIUM",
"manual_review_reason": "Verify both join operands are BIGINT before changing the source.",
"match_kind": "join",
"object_name": "usp_match_regional_returns",
"object_type": "SQL_STORED_PROCEDURE",
"proposed_sql": null,
"regions": [
"SOUTH",
"MIDWEST",
"WEST"
],
"schema_name": "operations",
"snippet": "SELECT r.return_id FROM operations.returns r JOIN commerce.orders o ON
r.customer_id = o.customer_id;"
},
{
"confidence": "HIGH",
"manual_review_reason": null,
"match_kind": "cast",
"object_name": "vw_customer_revenue_bridge",
"object_type": "VIEW",

```

```
"proposed_sql": "SELECT TRY_CAST(customer_id AS BIGINT) AS customer_id, net_revenue FROM
finance.revenue_daily;",
"regions": [
"NORTHEAST",
"SOUTH",
"MIDWEST",
"WEST"
],
"schema_name": "finance",
"snippet": "SELECT CAST(customer_id AS INT) AS customer_id, net_revenue FROM
finance.revenue_daily;"
},
{
"confidence": "LOW",
"manual_review_reason": "Contains dynamic SQL, so the referenced object and runtime type need
manual review.",
"match_kind": "dynamic_sql",
"object_name": "usp_export_customer_segments",
"object_type": "SQL_STORED_PROCEDURE",
"proposed_sql": null,
"regions": [],
"schema_name": "exports",
"snippet": "DECLARE @sql nvarchar(max) = N'SELECT customer_id FROM ' + @table; EXEC
sys.sp_executesql @sql;"
}
],
"unresolved_risks": [
"Hidden consumers outside the observed lineage may still depend on `customer_id`.",
"Critical downstream assets require coordinated rollout: executive_revenue_dashboard,
loyalty_customer_value.",
"Verify both join operands are BIGINT before changing the source.",
"Contains dynamic SQL, so the referenced object and runtime type need manual review."
]
}
```