



LUCA^{BDS}

LUCA **B**usiness **D**ata **S**ervices

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01. LUCA-BDS: Introduction

- Origin & Motivations
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- Chronology
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02. LUCA-BDS: Product description

- Module architecture
- Use cases

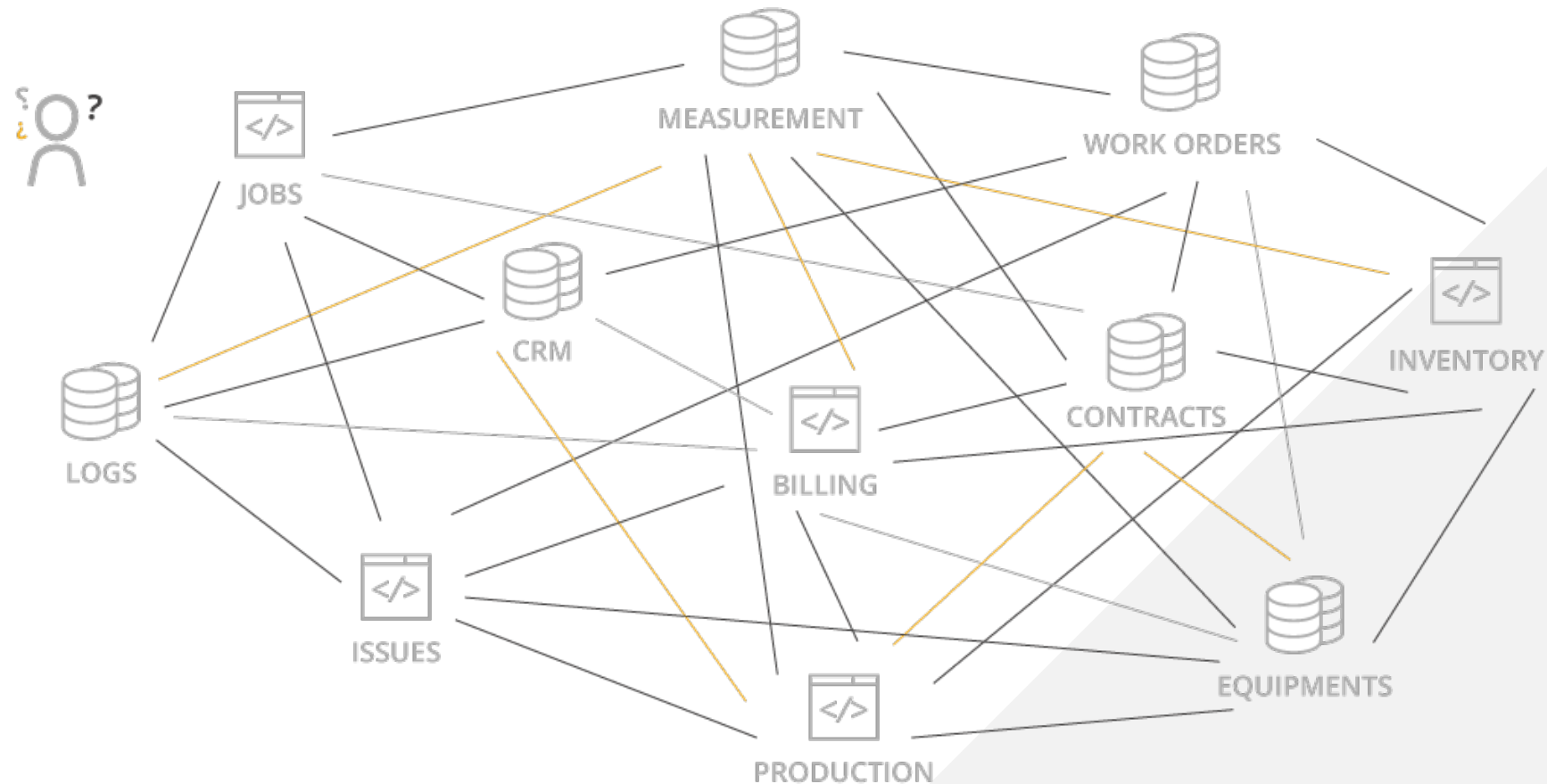
03. LUCA-BDS: Roadmap

01. Introduction

Usual environment

“Chaos is undecoded order”

José Saramago



LUCA origins & motivations

- ***Applications maintenance (SLA)*** – utilities environments
- Operational applications in ***read-only mode***
- ***Cross-systems & cross-departments*** processes & business rules
- ***Data analytics & engineering*** in many cases
- Queries provided by technical analysts (Knowledge base)
- ***Information requeriments*** in issue resolution (i.e software bugs)
- ***Manual request of daily-weekly-monthly reports*** (not available yet)
- ***Support tasks reserved to analysts or highly specialized teams***
- ***Scattered core-knowledgement*** scenarios
- ***Complex processes*** involves the participation of different ***experts*** (often limited)

E3

Efficiency

Efficacy

Effectivity

What is LUCA BDS?



Collaborative Web Platform ready and easy to use



Full Access to centralized request of information



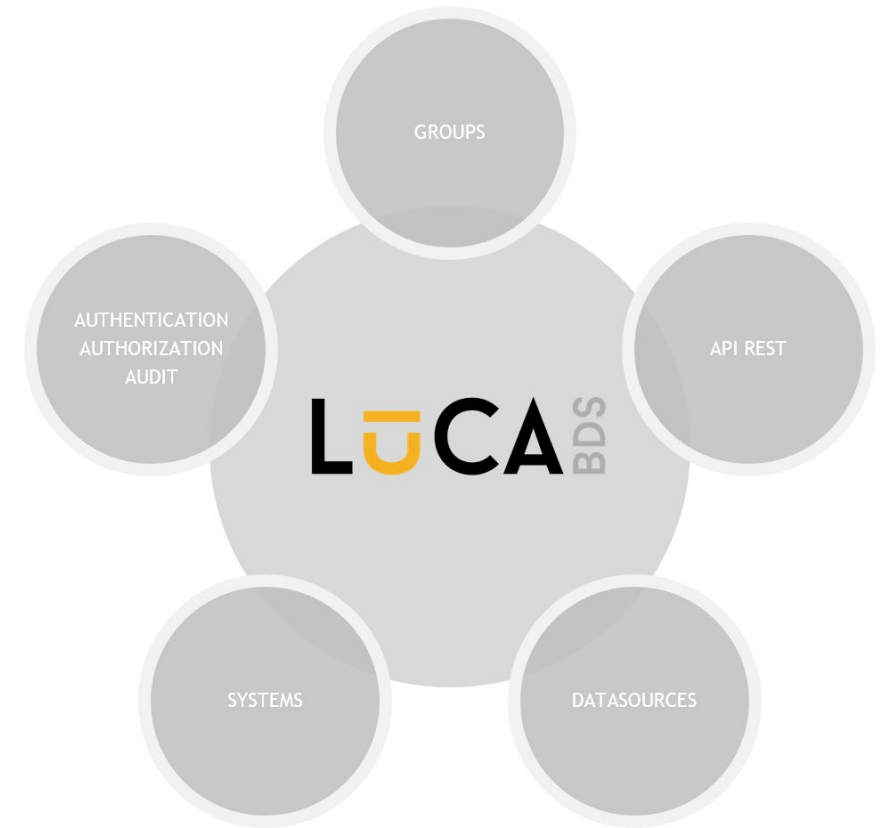
Cross domain connection between departments/systems



Simplify information exchange



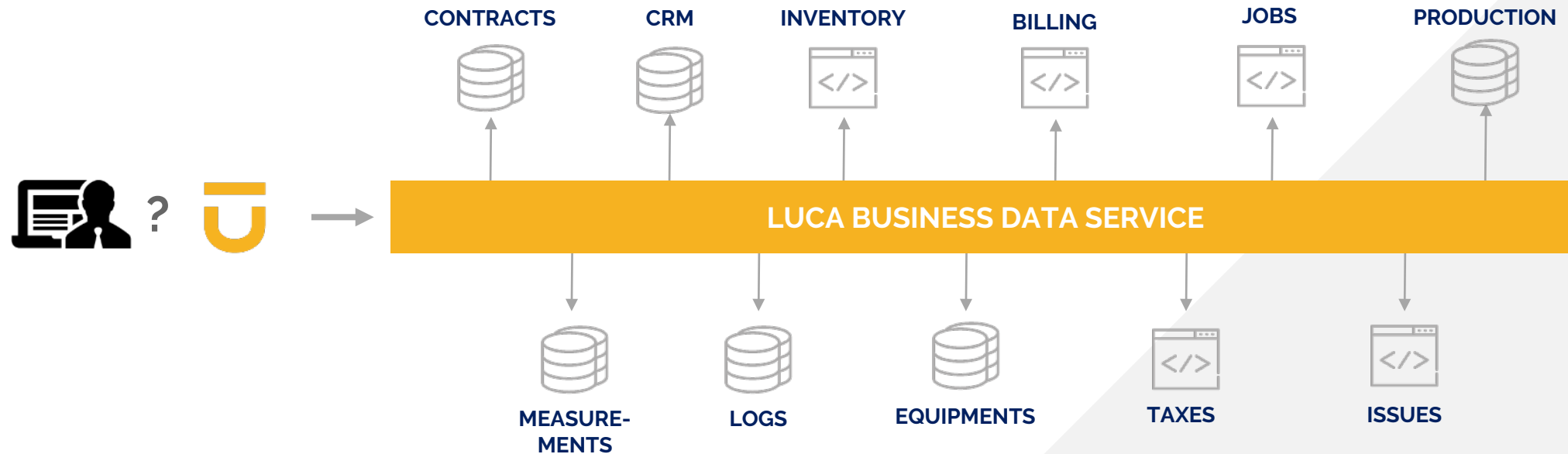
Instant answers, with predetermined reports



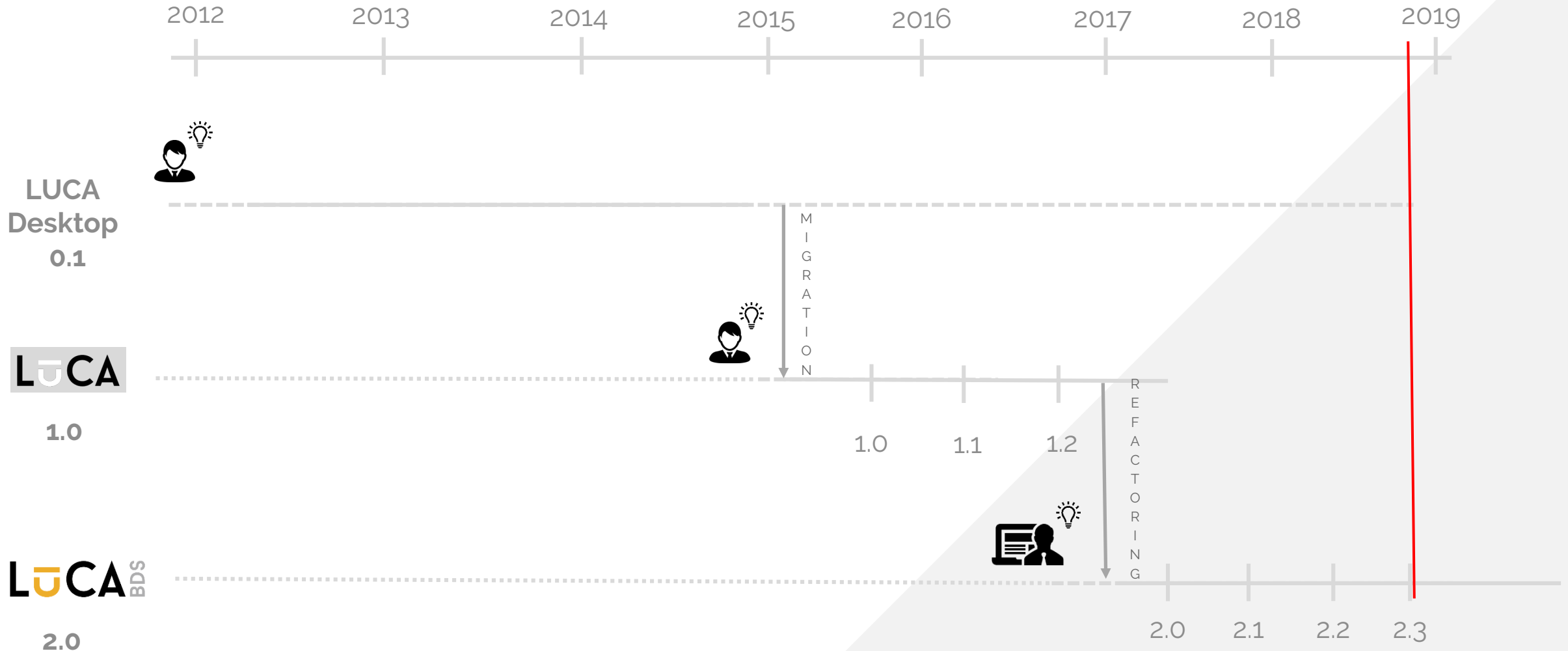
LUCA BDS is, in other words, business intelligence in Real Time

Process Know-How is stored in the organization, not in its users

Accessible & available data

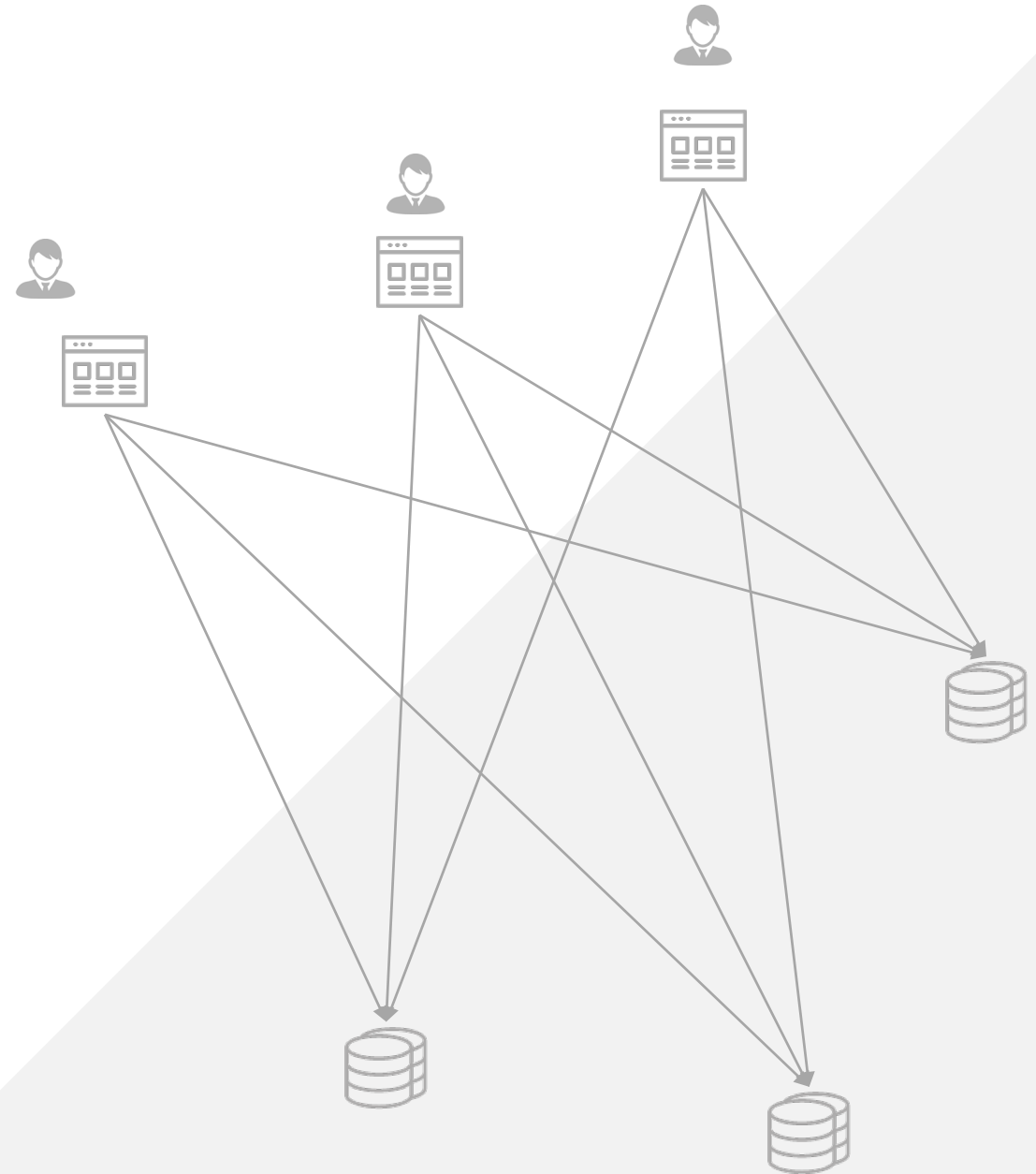


Chronology



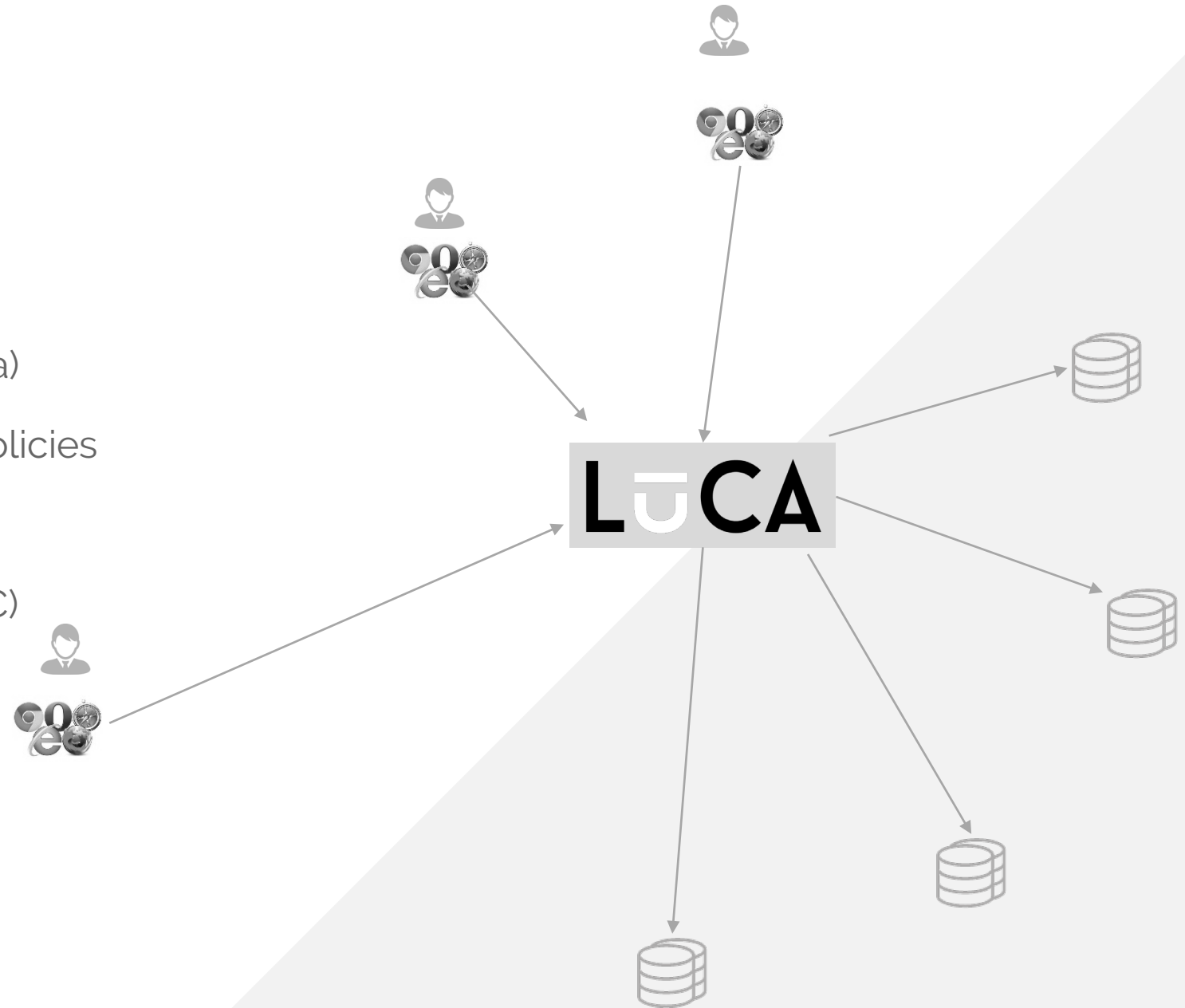
LUCA Desktop 0.1

- Desktop application
- Medium configuration capabilities:
 - Reports in each instalation
 - Credentials in each instalation
- Tasks to improve:
 - Limit user Access to final systems
 - Security policies
 - Trace use

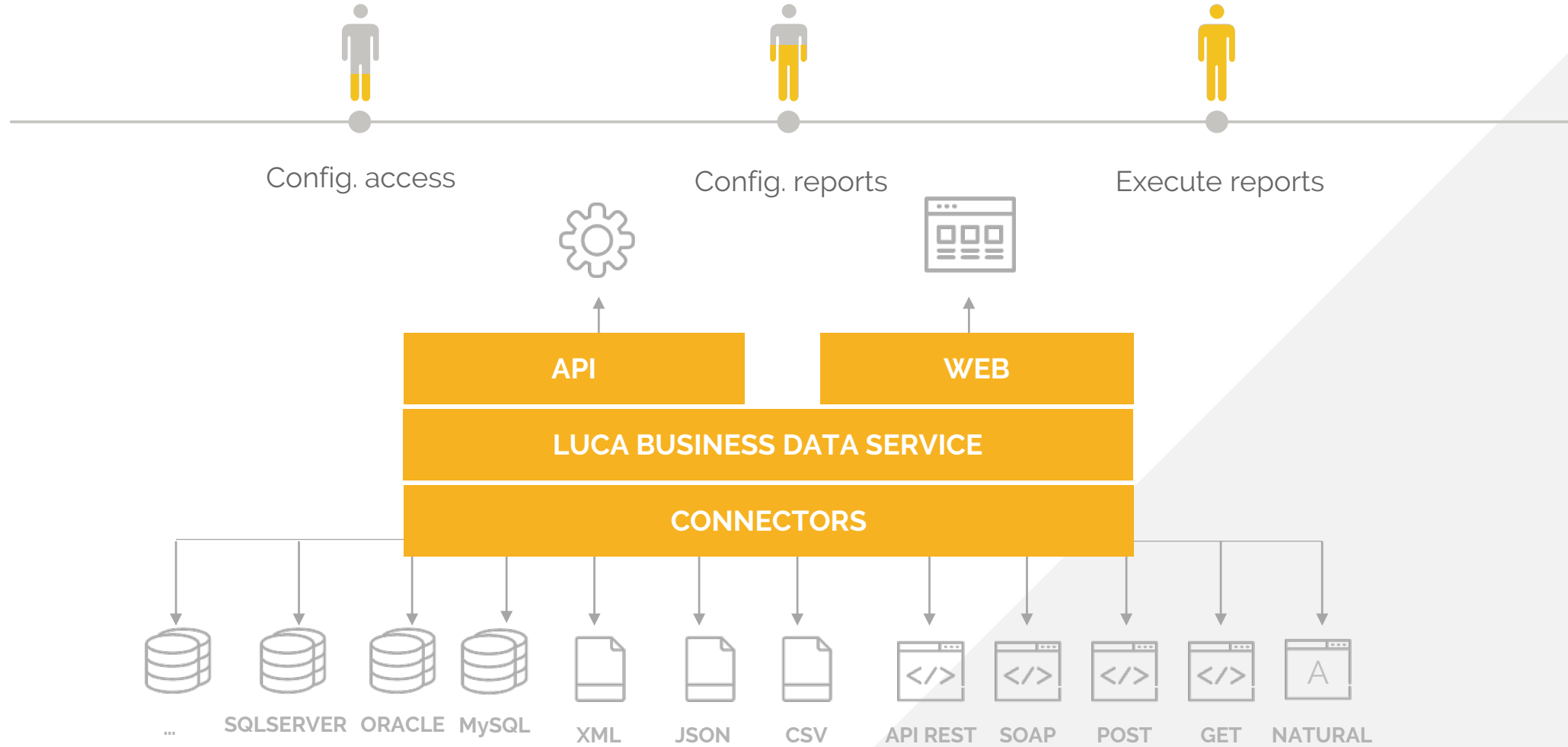


LŪCA 1.0

- From Desktop to Web
- Technical migration (.NET to Java)
- Authentication & authorization policies
- Advanced configuration model
- Relational DB Datasources (JDBC)
- Environments
- Basic graphs
- Basic audit trace



LUCA^{BDS} 2.0



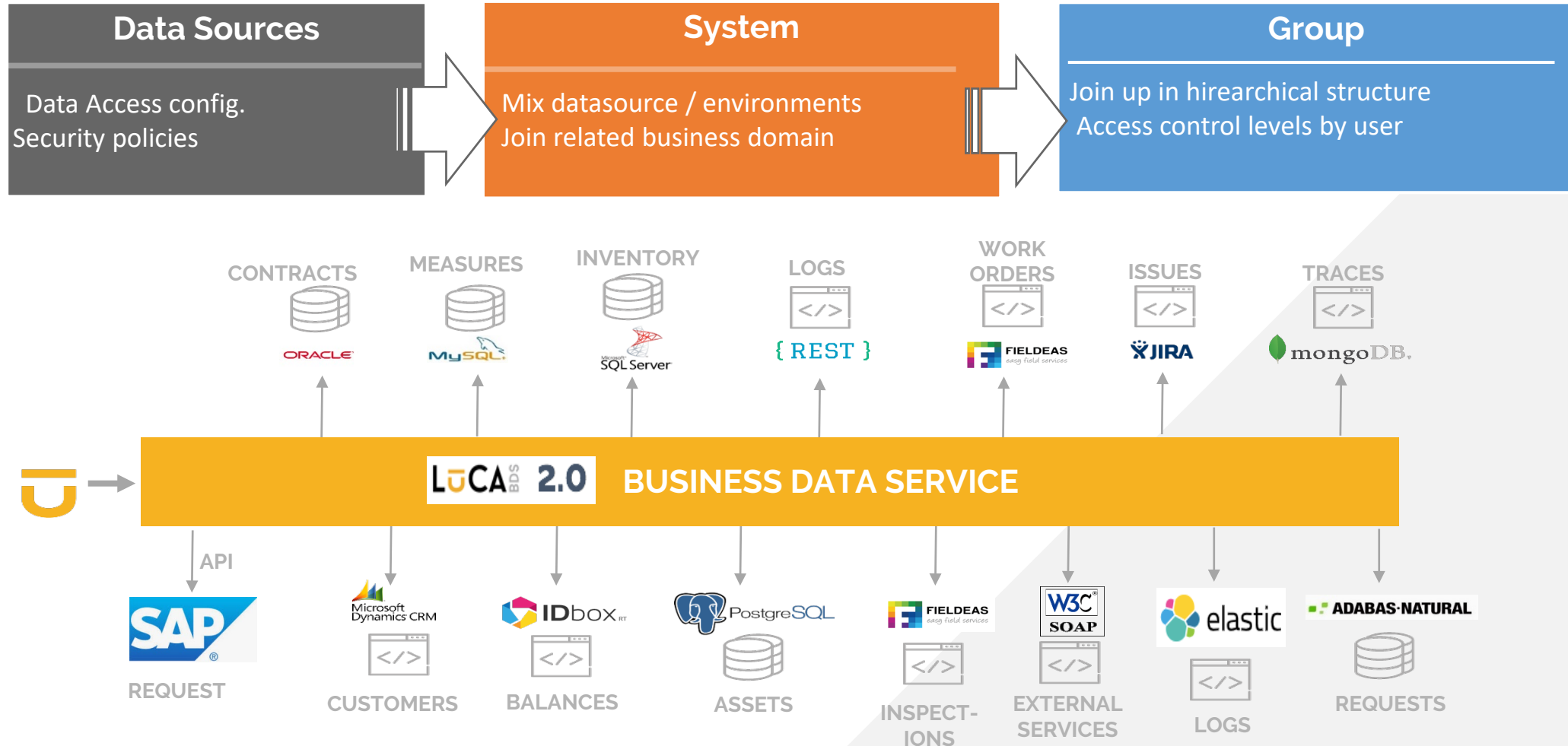


What does LUCA BDS provide?

- **Discover the information hidden in the data** with a integrated and centralized tool.
- **Analyze data in Real Time**, no complex Business Intelligence process are needed
- A **collaborative environment** to share Enterprise knowledge
- Connect to a **large pool of datasources available**,
- **Build custom reports** and graphs easily on top of them.
- **Minimize response times** and increase the productivity
- Improve the **quality of the business processes** (early detection of leaks)
- Improve the **user experience** and client satisfaction
- Take a **centralized view** of your business

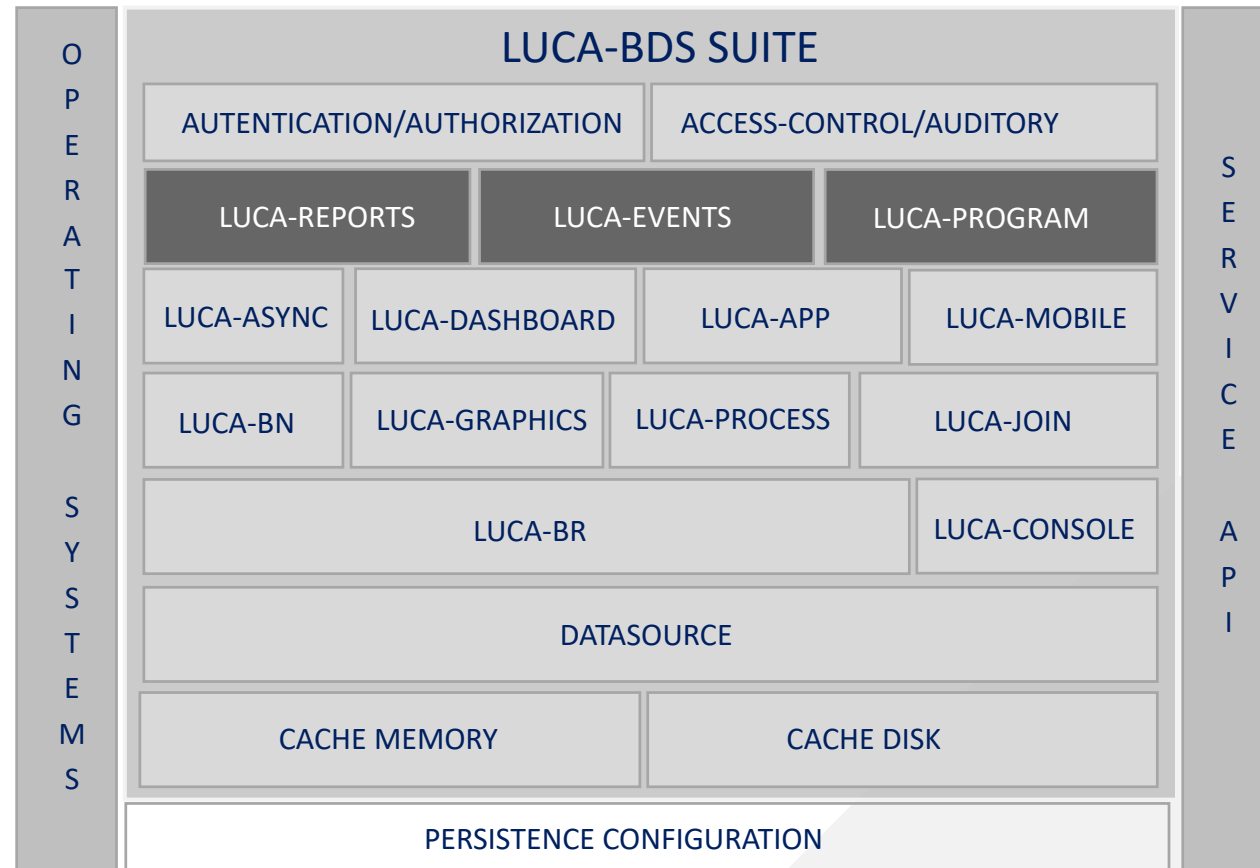
02. Product Description

LUCA-BDS Main picture



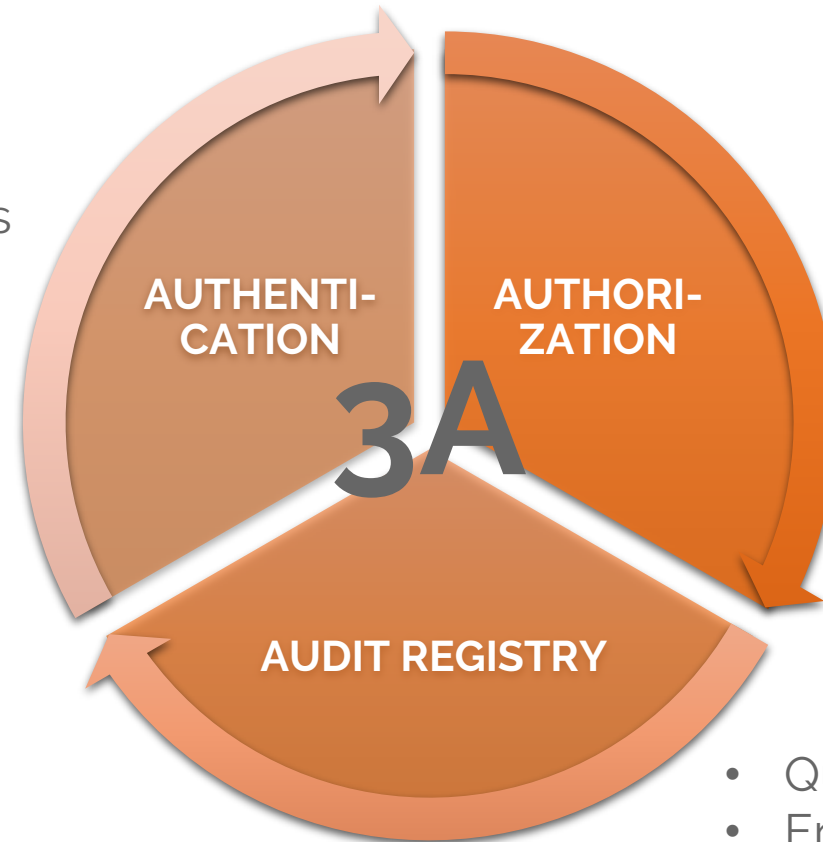
LUCA BDS architecture

■ Road Map ■ Implemented



Security layer

- Database credentials
- External LDAP
- SSO



- DataSources
- Groups
- Roles
- Applications
- Profile

- Queries
- Environments
- Users
- Timings

Luca- SQLconsole

Dashboard **SQL console** x Graphic SQL console x

Console: 1

System: LUCA Environment: PRO Scheme: luca_pro

Tables searcher: Search tables...

```

1 SELECT
2   CATEGORIES,
3   CREATION_USER_ID,
4   CUSTOM_QUERY_ID,
5   DOUBLE_AXIS_Y,
6   DRILLDOWN,
7   EDITION_USER_ID,
8   EXPIRATION_TIME,
9   PRIVATE_USER_ID,
10  STACKED,
11  STATE_ID,
12  TITLE_AXIS_Y,
13  TYPE_ID,
14  VISIBILITY_ID,
15  id
16 FROM
17   luca_pro.luca_charts;
18
19
20 SELECT DEFAULT_SCHEMA, DRIVER_CLASS_NAME, INITIAL_SIZE, JDBC_INTERCEPTORS, JMX_ENABLED, LOG_ABANDONED, MAX_ACTIVE, MAX_IDLE, MAX_WAIT, MIN_EVICTAB

```

luca_chart_visibility_types
luca_chart_x_vars
luca_chart_y_vars
luca_chart_z_vars
luca_charts
luca_clients_api
luca_condition_types
luca_conndata_operation_types
luca_connections_data
luca_connector_db
luca_connector_http
luca_connector_idl
luca_console_tabs
luca_custom_query_types

DEFAULT_SCHEMA	DRIVER_CLASS_NAME	INITIAL_SIZE	JDBC_INTERCEPTORS	JMX_ENABLED	LOG_ABANDONED	MAX_ACTIVE	MAX_IDLE	MAX_WAIT	MIN_EVICTAB
	com.mysql.jdbc.Driver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000
	com.mysql.jdbc.Driver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000
	com.mysql.jdbc.Driver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000
	oracle.jdbc.driver.OracleDriver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000
	com.mysql.jdbc.Driver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000
	com.mysql.jdbc.Driver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000
	oracle.jdbc.driver.OracleDriver	5	org.apache.tomcat.jdbc.pool.interceptor.ConnectionState;org.apache.tomcat.jdbc.pool.interceptor.StatementFinalizer	true	false	50	20	10000	30000

Registers: 45

« < 1 > 50 ▾

Luca- GUI console

Dashboard Applications × Application modification: Movil 1 × API clients × Users × **Graphic SQL console ×**

System: LUCA Environment: PRO Scheme: luca_pro

Search tables...

- luca_execution_register
- luca_execution_register_types
- luca_favorite_queries
 - DATE_INS (timestamp)
 - DATE_MODIF (datetime)**
 - ENVIROMENT_EXECUTION_ID (bigint)
 - EXECUTION_NUMBER (int)
 - FAVORITE_QUERY_TYPE (varchar)
 - FILTERS (bit)
 - id (bigint)
 - LAST_EXECUTION (datetime)
 - NAME (varchar)
 - QUERY_ID (bigint)
 - USER_ID (bigint)
 - VERSION_OPTLOCK (int)
- luca_format_lk_output_vars
- luca_graphic_components
- luca_groups
- luca_helps
- luca_hierarchy_menu
- luca_input_var_fav_queries
- luca_input_variables
- luca_interaction_systems
- luca_join_configurations
- luca_join_filter_variables

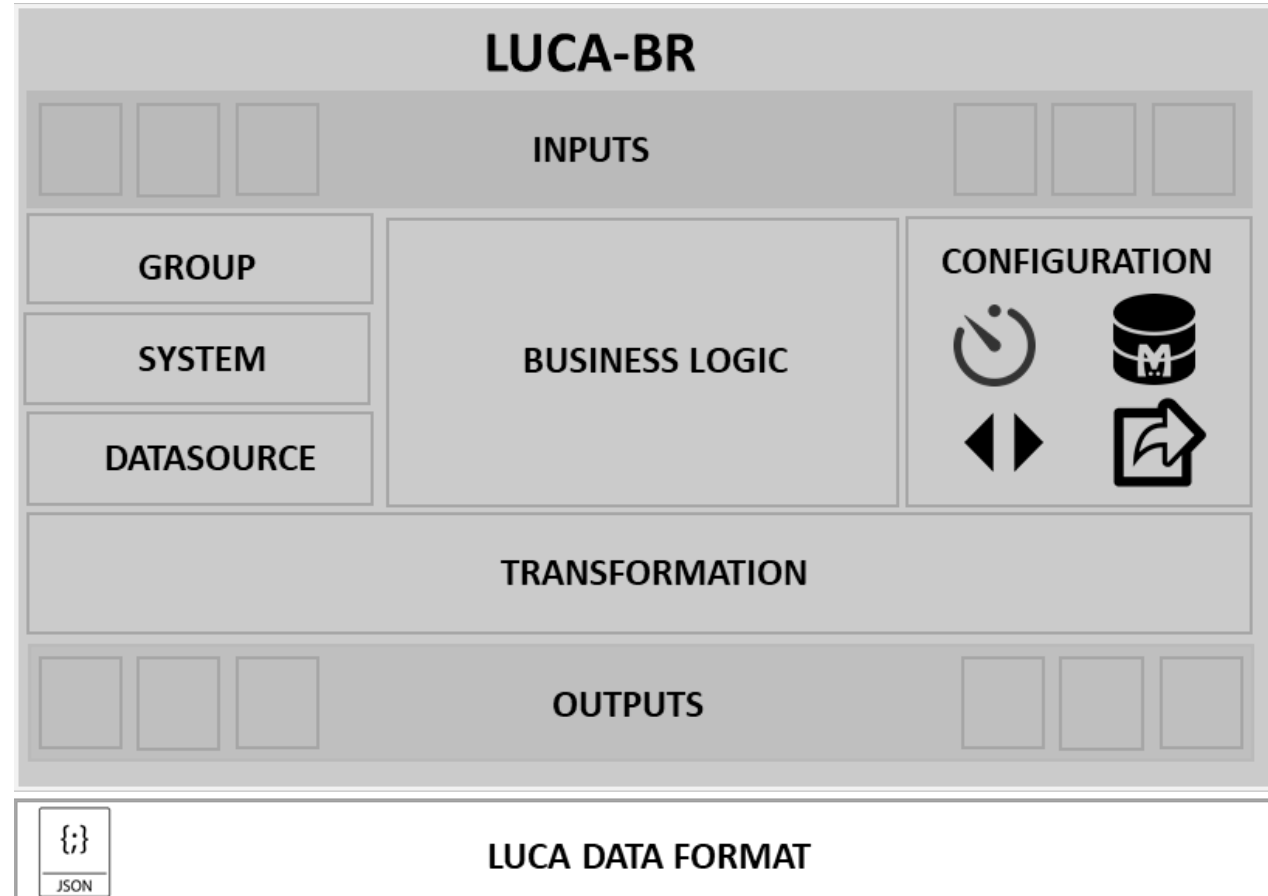
ID	VERSION_OPTLOCK	DATE_INS	DATE_MODIF	EXECUTION_NUMBER	FAVORITE_QUERY_TYPE	FILTERS	LAST_EXECUTION	NAME	ENVIROMENT_EXE
4.102	0	2017/03/16 11:06:43		0	LINKED_QUERY	false		Terceros	
4.103	0	2017/03/16 11:06:43		2	CUSTOM_QUERY	true	2016/04/12 10:58:24	ejecucionesUsuario	
4.104	0	2017/03/16 11:06:43		2	CUSTOM_QUERY	true	2017/02/27 10:31:58	ElasticSearch (Rest)	
4.105	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		OTRA	
4.106	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		PYG_MOPA_ERP	
4.107	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Producción en vuelo V.2.2	
4.108	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Consulta traza UDM	
4.113	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		CARGAS HIDROLOGÍA	
4.114	0	2017/03/16 11:06:43		2	CUSTOM_QUERY	true	2017/03/02 09:27:12	LUCA-Ejecuciones por usuario	
4.115	0	2017/03/16 11:06:43		37	CUSTOM_QUERY	true	2016/04/21 16:42:30	Ejecuciones día luca	
4.116	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		LOG Máquina LUCA	
4.119	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Vida de certificación	
4.120	0	2017/03/16 11:06:43		1	CUSTOM_QUERY	true	2016/02/25 12:17:22	Lista cobratoria IBI 2014	
4.124	0	2017/03/16 11:06:43		0	LINKED_QUERY	false		BO Navegación	
4.125	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Errores de sincronización	
4.126	0	2017/03/16 11:06:43		5	CUSTOM_QUERY	true	2016/04/11 12:48:51	Ejecuciones de consultas	
4.127	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		ODS Cortes y en vuelo	
4.128	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Entidades cliente	
4.129	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Producción MOPA	
4.131	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		LOG Máquina LUCA	
4.134	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Consulta códigos ODS	
4.136	0	2017/03/16 11:06:43		0	CUSTOM_QUERY	false		Autorizaciones US	
4.137	0	2017/03/16 11:06:43		11	CUSTOM_QUERY	true	2016/04/12 17:21:28	ejecuciones/usuario	

Registers: 25

« < 1 > 25 ▾

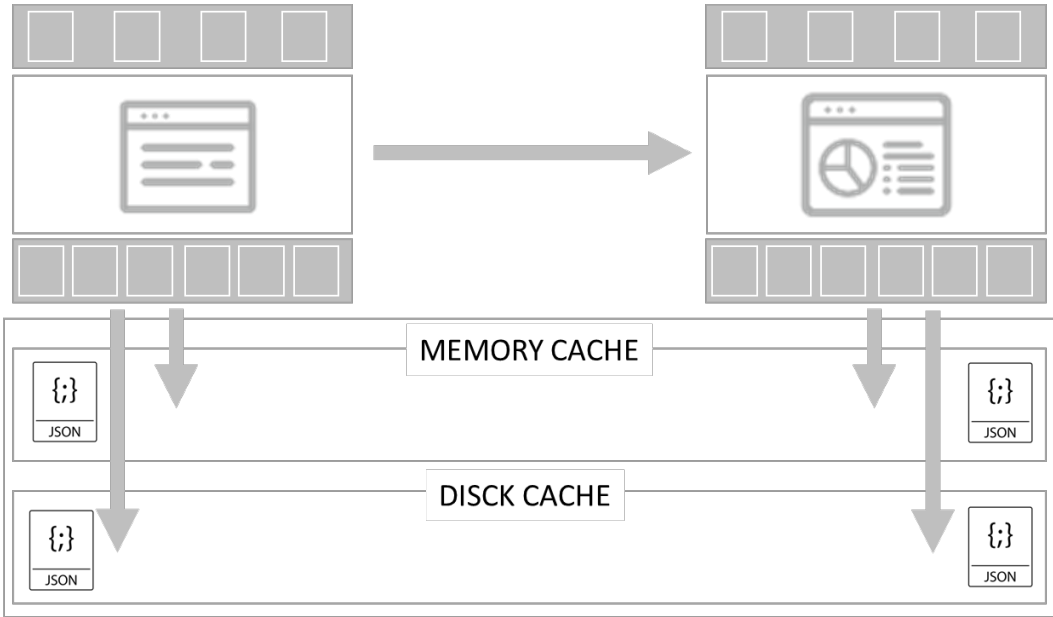
Luca-BR

Business Rules





Luca- Cache



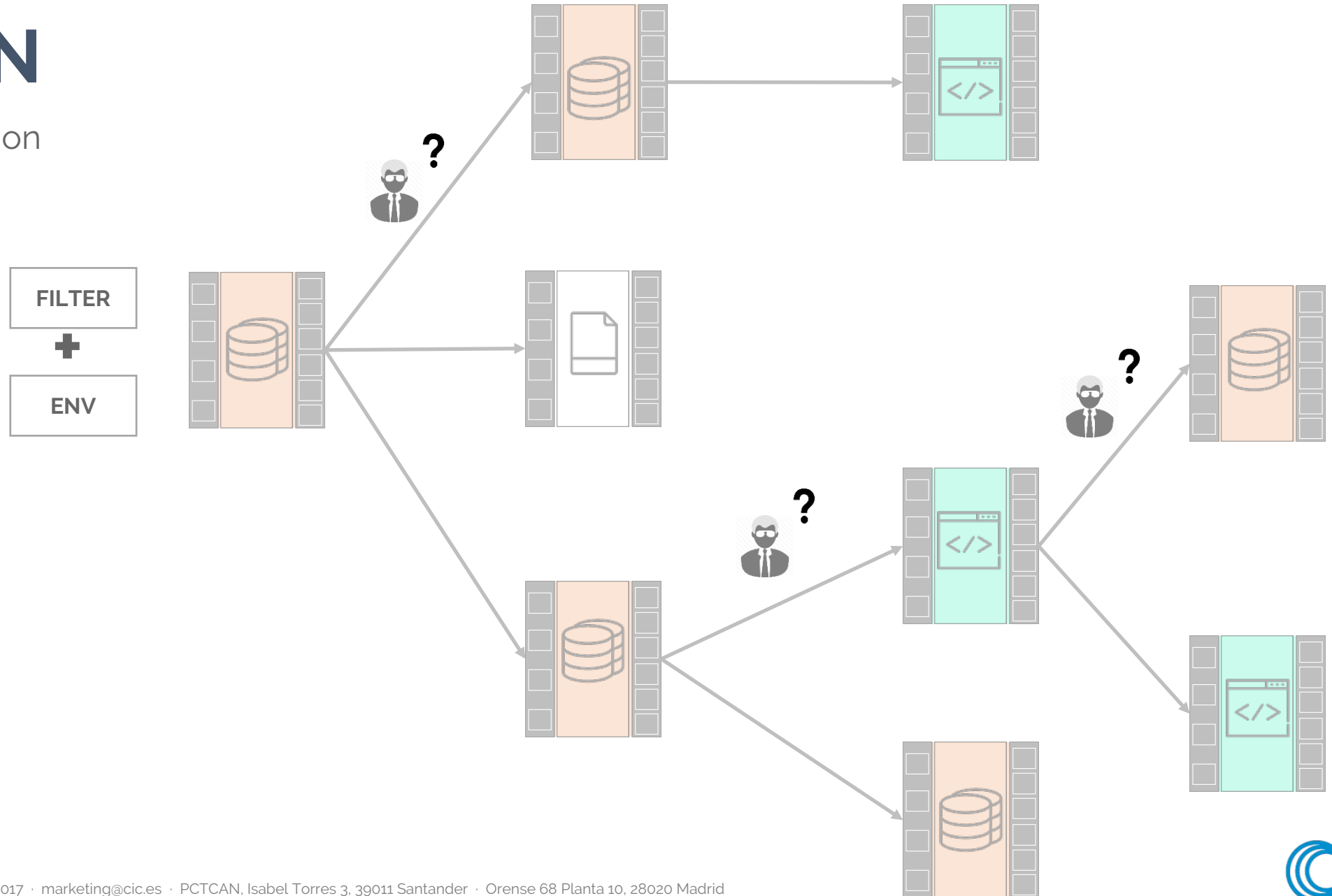
Dashboard Datasources x Cache administration x

QUERY	EXPIRATION MINUTES	REGISTER HITS	EXECUTION DATE	FILTER VALUES
Mopa users	355	1	Sep 18, 2018 1:54:35 PM	NAVUS = SHI0043; PAGE_NUMBER = 1; PAGE_SIZE = 50;
Combo Gerencias	445	1	Sep 18, 2018 1:44:09 PM	PAGE_NUMBER = 1; PAGE_SIZE = 1800;
Combo proyectos	1539	4	Sep 17, 2018 5:50:50 PM	PAGE_NUMBER = 1; PAGE_SIZE = 1800;
Combo meses contrato AM Viesgo	98651	4	Sep 17, 2018 5:50:50 PM	PAGE_NUMBER = 1; PAGE_SIZE = 1800;
Nav recursos	19860	1	Sep 18, 2018 1:59:22 PM	USUARIO = null; CATEGORIA = null; GERENCIA = null; NAVUS = SHI0043;
Mopa users	354	1	Sep 18, 2018 1:53:58 PM	NAVUS = SHI0043; PAGE_NUMBER = 1; PAGE_SIZE = 50;
Combo responsables	257	3	Sep 18, 2018 10:36:17 AM	PAGE_NUMBER = 1; PAGE_SIZE = 1800;

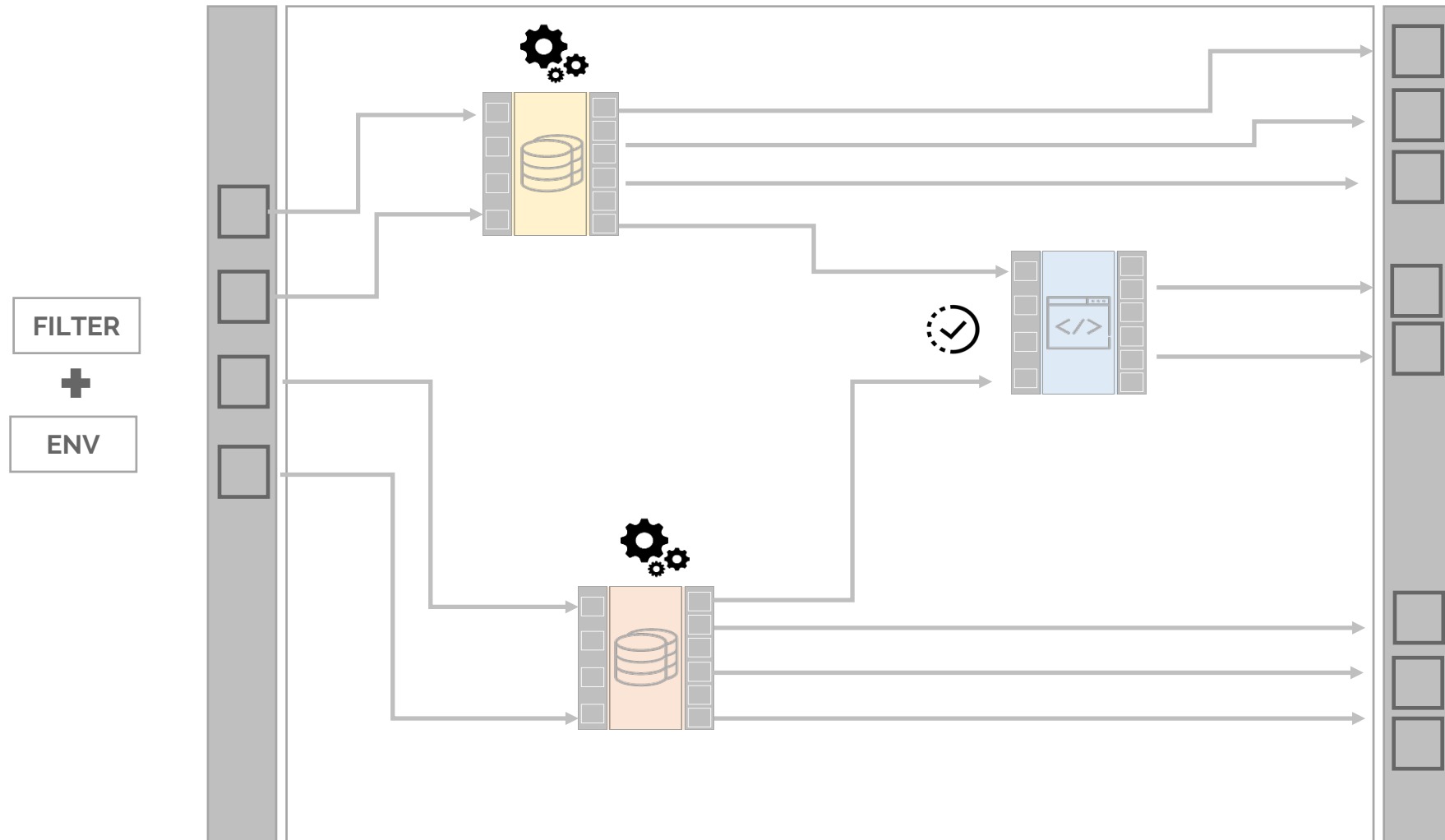


Luca-BN

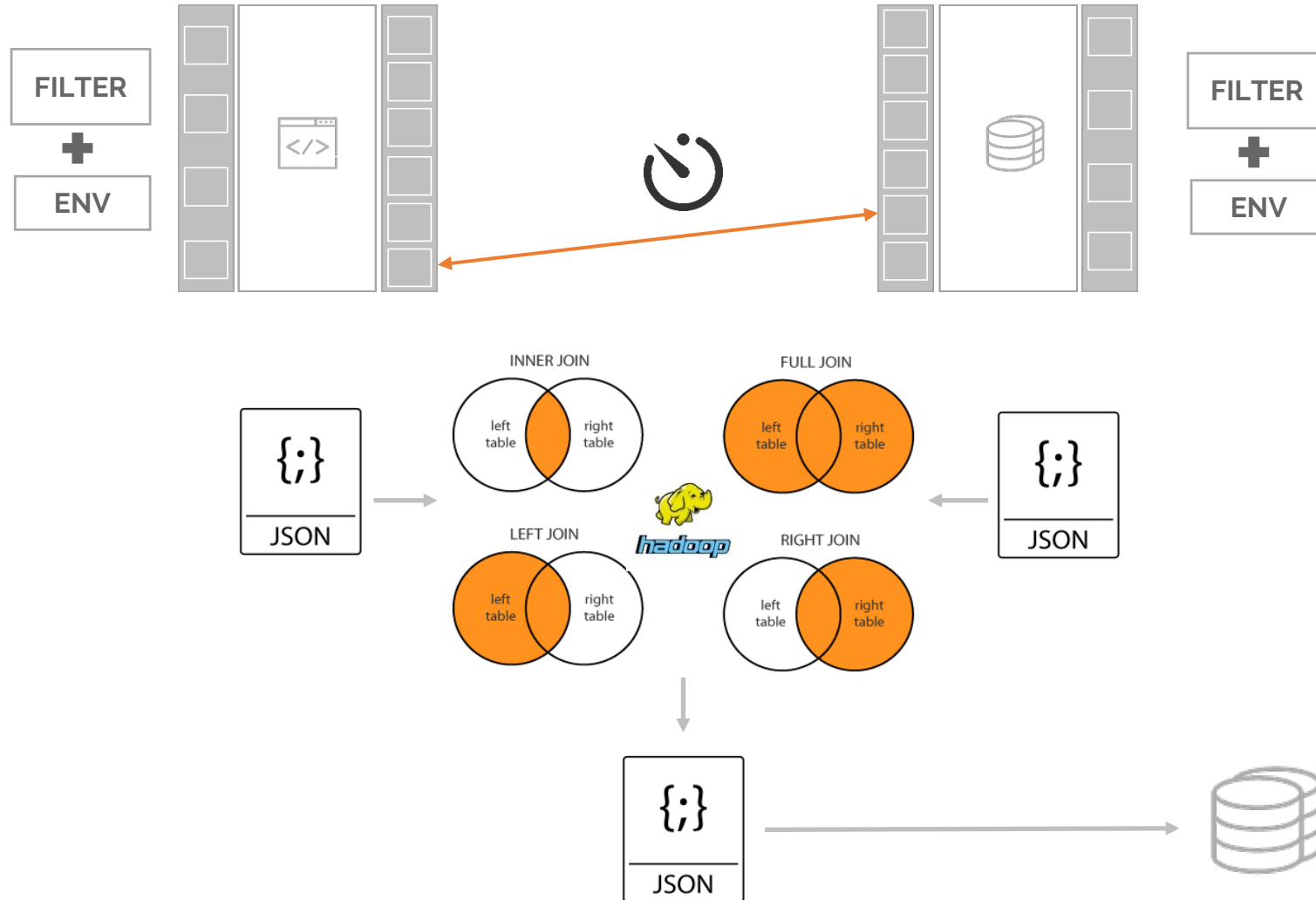
Business Navigation



Luca-process



Luca-join



Luca-async



Dashboard Joins management x Asynchronous tasks x

Task type

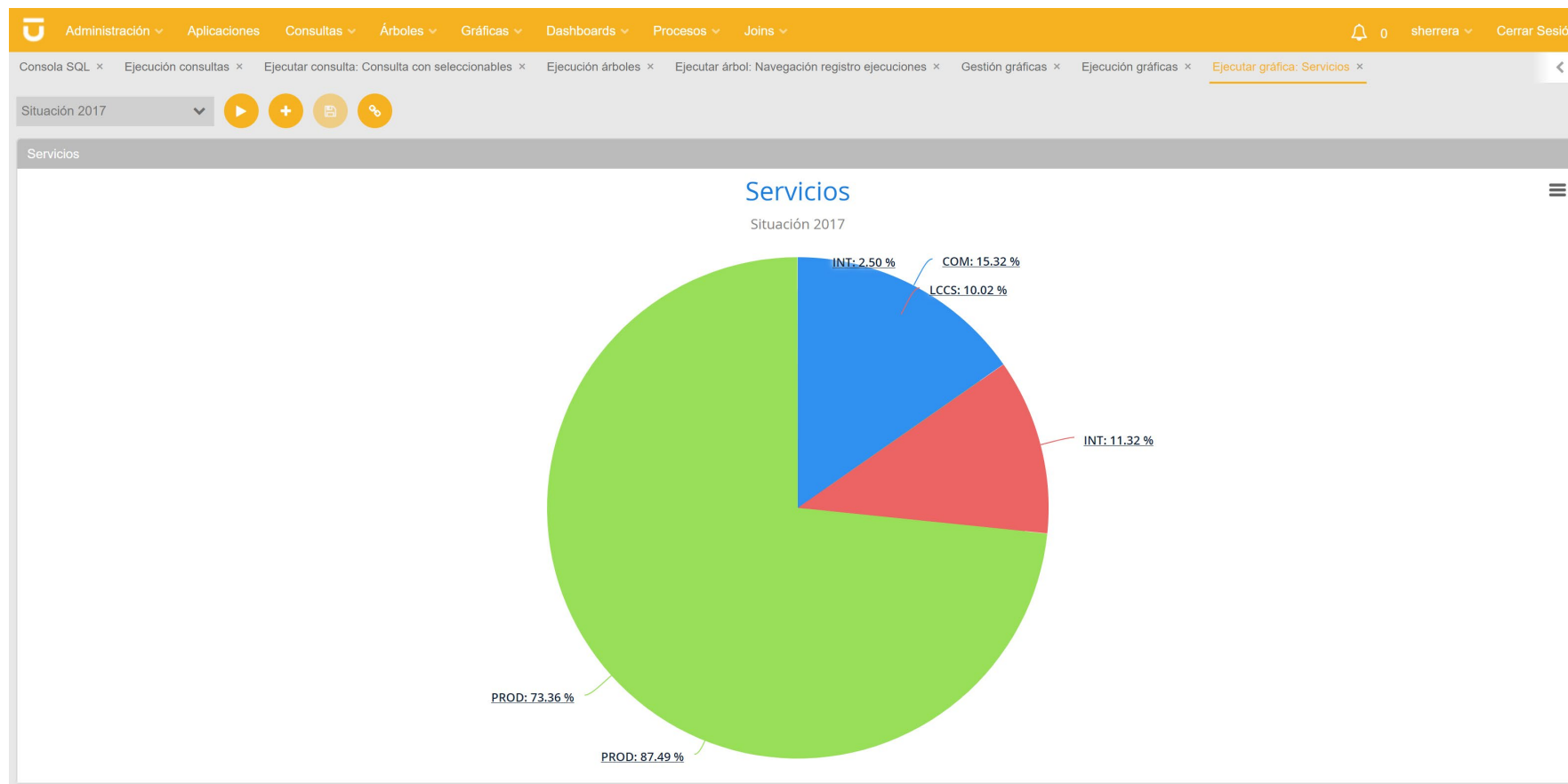
Search task...

	NAME	STATUS	USER	CRON EXPRESSION	TIME	START	END
●	Ejemplo	Not started	sherrera	0 * 1 23 1 1			
●	Realizado (JIRA) frente asignado (Nav)-job	Executing	sherrera			06-08-2018 11:32:48	
●	Proceso Odata Nav - Mopa-job	Executing	sherrera			17-07-2018 10:27:35	
●	Mantenimiento 2017 Dic	Scheduled	sherrera	0 30 4 * * *	2 s	17-09-2018 04:30:00	17-09-2018 04:30:02
●	tt	Scheduled	sherrera	0 0 4 2 * *	0 s	02-09-2018 04:00:00	02-09-2018 04:00:00
●	Ejemplo-job	Stopped	sherrera		2 s	04-04-2018 10:54:43	04-04-2018 10:54:45
●	Proceso órdenes de servicio-job	Stopped	sherrera		0 s	23-03-2018 15:03:03	23-03-2018 15:03:03
●	Parte vs asignaciones-job	Stopped	sherrera		1 s	11-03-2018 00:09:29	11-03-2018 00:09:30

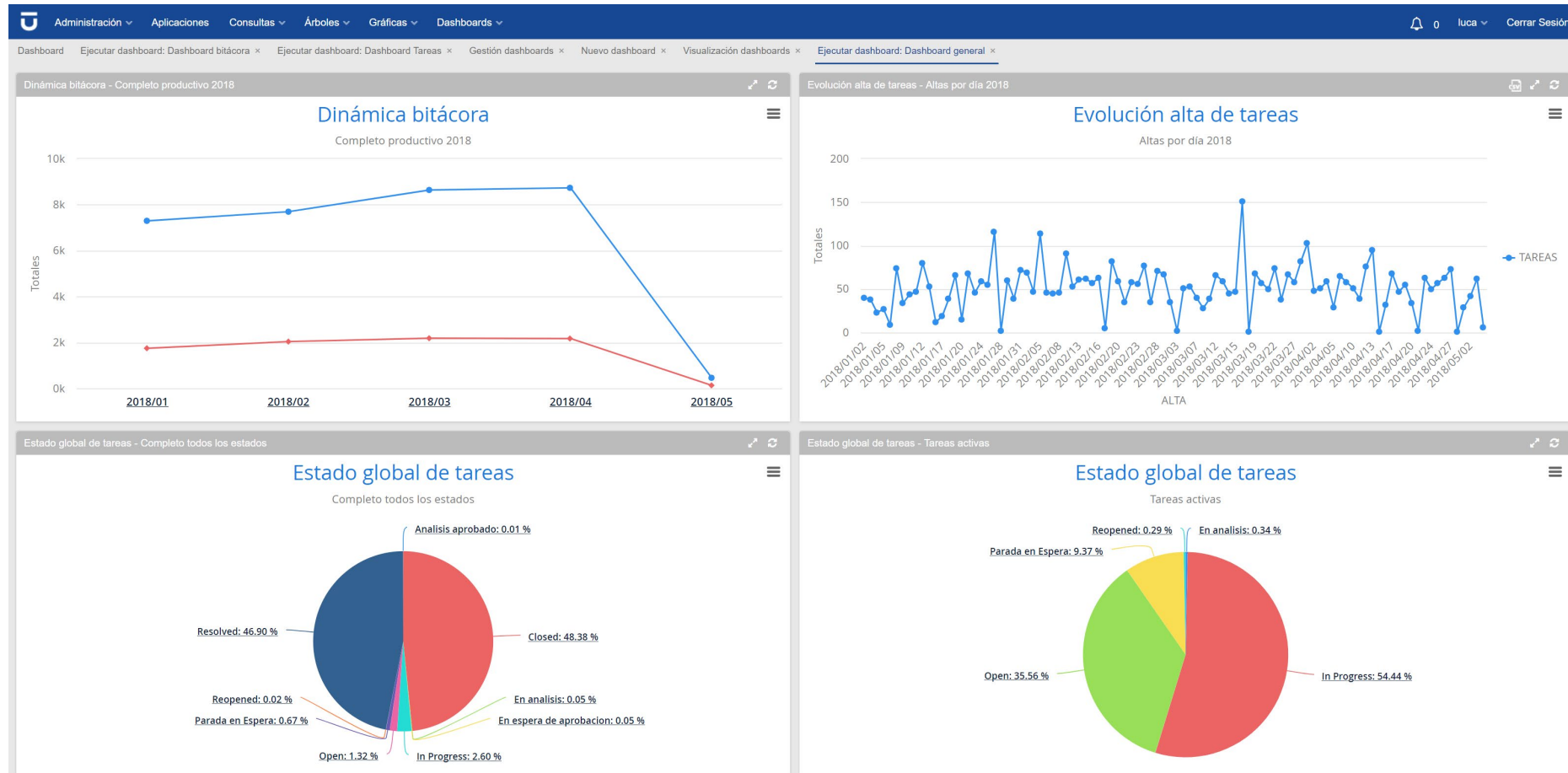
Dashboard Joins management x Asynchronous tasks x Task executions: Mantenimiento 2017 Dic x

	NAME	STATUS	USER	CRON EXPRESSION	TIME	START	END
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	2 s	17-09-2018 04:30:00	17-09-2018 04:30:02
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	3 s	16-09-2018 04:30:00	16-09-2018 04:30:03
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	11 s	15-09-2018 04:30:00	15-09-2018 04:30:11
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	13 s	14-09-2018 04:30:00	14-09-2018 04:30:13
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	14 s	13-09-2018 04:30:00	13-09-2018 04:30:14
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	5 s	12-09-2018 04:30:00	12-09-2018 04:30:05
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	4 s	11-09-2018 04:30:00	11-09-2018 04:30:04
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	3 s	10-09-2018 04:30:00	10-09-2018 04:30:03
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	10 s	09-09-2018 04:30:00	09-09-2018 04:30:10
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	4 s	07-09-2018 04:30:00	07-09-2018 04:30:04
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	7 s	06-09-2018 04:30:00	06-09-2018 04:30:07
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	4 s	05-09-2018 04:30:00	05-09-2018 04:30:04
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	3 s	04-09-2018 04:30:00	04-09-2018 04:30:03
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	3 s	03-09-2018 04:30:00	03-09-2018 04:30:03
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	2 s	02-09-2018 04:30:00	02-09-2018 04:30:02
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	9 s	01-09-2018 04:30:00	01-09-2018 04:30:09
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	3 s	31-08-2018 04:30:00	31-08-2018 04:30:03
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	4 s	30-08-2018 04:30:00	30-08-2018 04:30:04
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	5 s	29-08-2018 04:30:00	29-08-2018 04:30:05
●	Mantenimiento 2017 Dic	Stopped	sherrera	0 30 4 * * *	4 s	28-08-2018 04:30:00	28-08-2018 04:30:04

Luca-graphics



Luca-dashboard



Luca-app



U

Informes generales ▾

Correlaciones ▾

Gráficas temporales ▾

Gráficas de tareas ▾

Dashboards ▾

Dashboard Ejecutar árbol: Trazabilidad tareas ×

Trazabilidad tareas

- Tareas de mismo proyecto
- Tareas de mismo servicio
- Lista de subtareas
- Lista completa mismo servicio
- Detalle tarea
- Bitácora de trabajo

FILTROS - TRAZABILIDAD TAREAS

RPT

Tipo de proyecto

Tareas principales

Proyecto

Estado

Fecha alta desde

Fecha alta hasta

Fecha res. desde

Fecha res. hasta

Entorno

DES

▶

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RESULTADOS - TRAZABILIDAD TAREAS

RPT	DES RPT	TPROYECTO	IDPROYECTO	PROYECTO	CLAVE	ASIGNADO	TOTAL	TAREAS	SUBTAREAS	ESTIMADO	PENDIENTE	EJECUTADO
			10.001	PRC	PRC-78	p.viota	1	1	0	2,00	0,00	2,00
			10.000	PRS	PRS-59	p.viota	1	1	0	10,00	0,00	10,00
			10.001	PRC	PRC-46	p.benedicto	1	1	0	76,00	0,00	76,00
			10.000	PRS	PRS-56	m.alvarez	1	1	0	4,00	0,00	4,00
			10.000	PRS	PRS-81	p.gil	1	1	0	3,00	0,00	3,00
			10.001	PRC	PRC-56	m.banos	1	1	0	0,50	0,00	0,50
			10.001	PRC	PRC-32							
			10.001	PRC	PRC-94							
			10.001	PRC	PRC-67							
			10.001	PRC	PRC-73							
			10.001	PRC	PRC-87							
			10.000	PRS	PRS-111							
0600000000000000	CONSEJER	PRODUCTIVO	10.550	FAECA	FAECA-34							
			10.001	PRC	PRC-122							
0500000000000000	CONSEJER	PRODUCTIVO	10.142	SANA	SANA-382							
002	SUMA AUSI	NO PRODUCTIVO	10.050	AUSENCIAS	AUSENCIAS							
0600000000000000	CONSEJER	PRODUCTIVO	10.254	HABILITADOS	HABILITADOS							
0200000000000000	CONSEJER	PRODUCTIVO	10.750	INVAPP	INVAPP-3							
0200000000000000	CONSEJER	PRODUCTIVO	10.139	CEAR	CEAR-22							
0200000000000000	CONSEJER	PRODUCTIVO	10.060	PLATFIRMA	PLATFIRMA							
0200000000000000	CONSEJER	PRODUCTIVO	10.075	CEARCONLINE	CEARCONLINE							
0200000000000000	CONSEJER	PRODUCTIVO	10.185	NOTIFCORP	NOTIFCORP							
			10.001	PRC	PRC-130							
0200000000000000	CONSEJER	PRODUCTIVO	10.350	VIVARREN	VIVARREN							
Total: 27071			Distintos: 13	Distintos: 4	Distintos: 278	Distintos: 2						

DETALLE

DESCRIPTION

Bitácora de trabajo

Detalle del log de trabajo

Lista servicios

Listado de todos los servicios existentes

Proyectos por servicio

Da el detalle de los proyectos por servicio

Tablón de tareas

Tablones de tareas de JIRA

Tablón de tareas agrupado

Tablones de tareas de JIRA

Registro Ejecuciones

Registro de ejecuciones de LUCA

Registro Ejecuciones Especifico

Registro de ejecuciones específico de LUCA

CONFIGURACIÓN DE LA APLICACIÓN

Menu 1 | Informes generales

Menu 5 | Correlaciones

Trazabilidad tareas | Trazabilidad tareas

Menu 2 | Gráficas temporales

Dinámica bitácora | Dinámica bitácora

Estado global de tareas | Estado global de tareas

Evolución alta de tareas | Evolución alta de tareas

Dedicación por tipo | Dedicación por tipo

Menu 3 | Gráficas de tareas

Tareas por informador | Tareas por informador

Evolución alta de tareas | Evolución alta de tareas

Estado global de tareas | Estado global de tareas

Tareas por informador | Tareas por informador

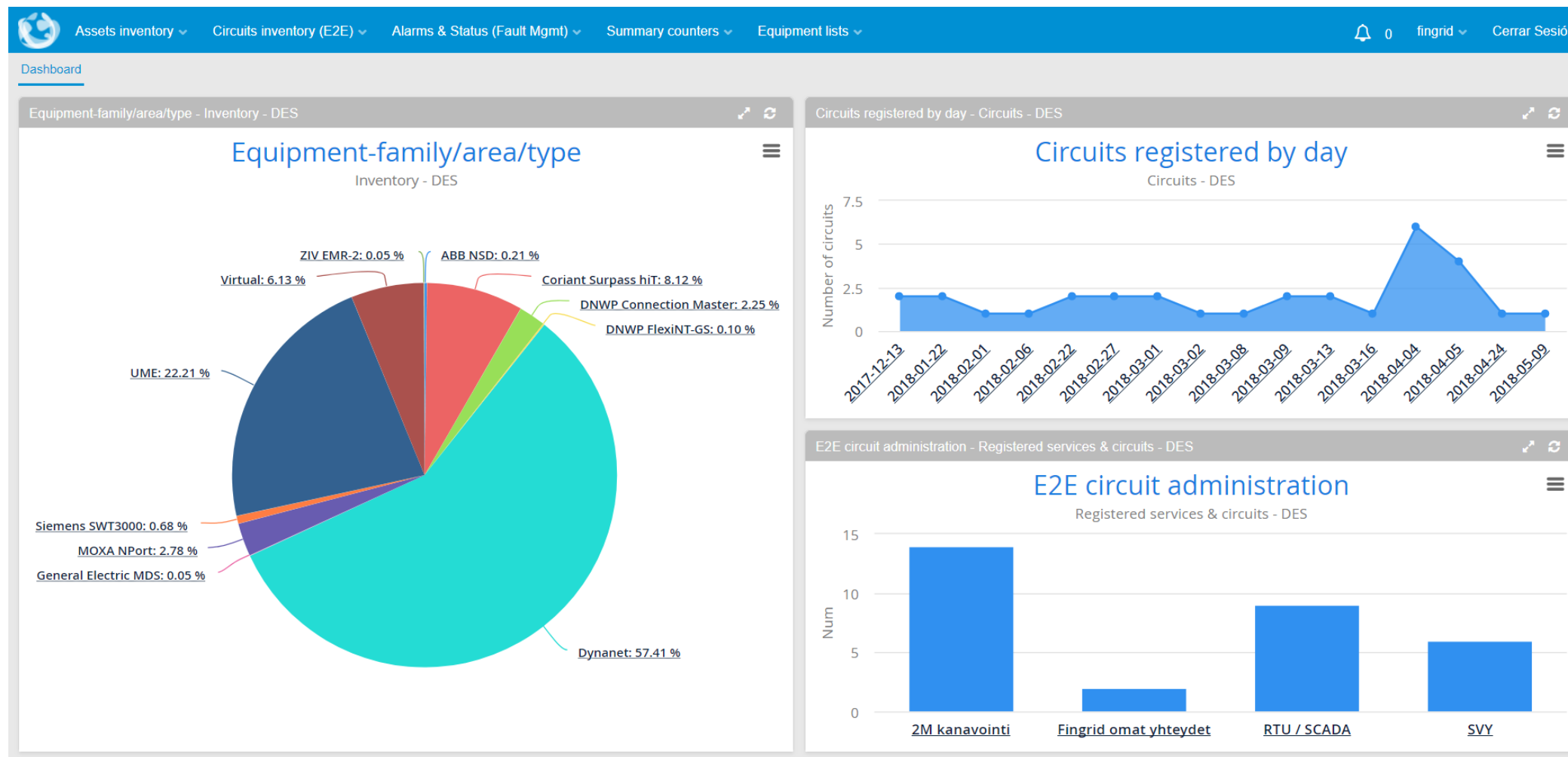
Menu 4 | Dashboards

Dashboard bitácora | Dashboard bitácora

Dashboard Tareas | Dashboard Tareas

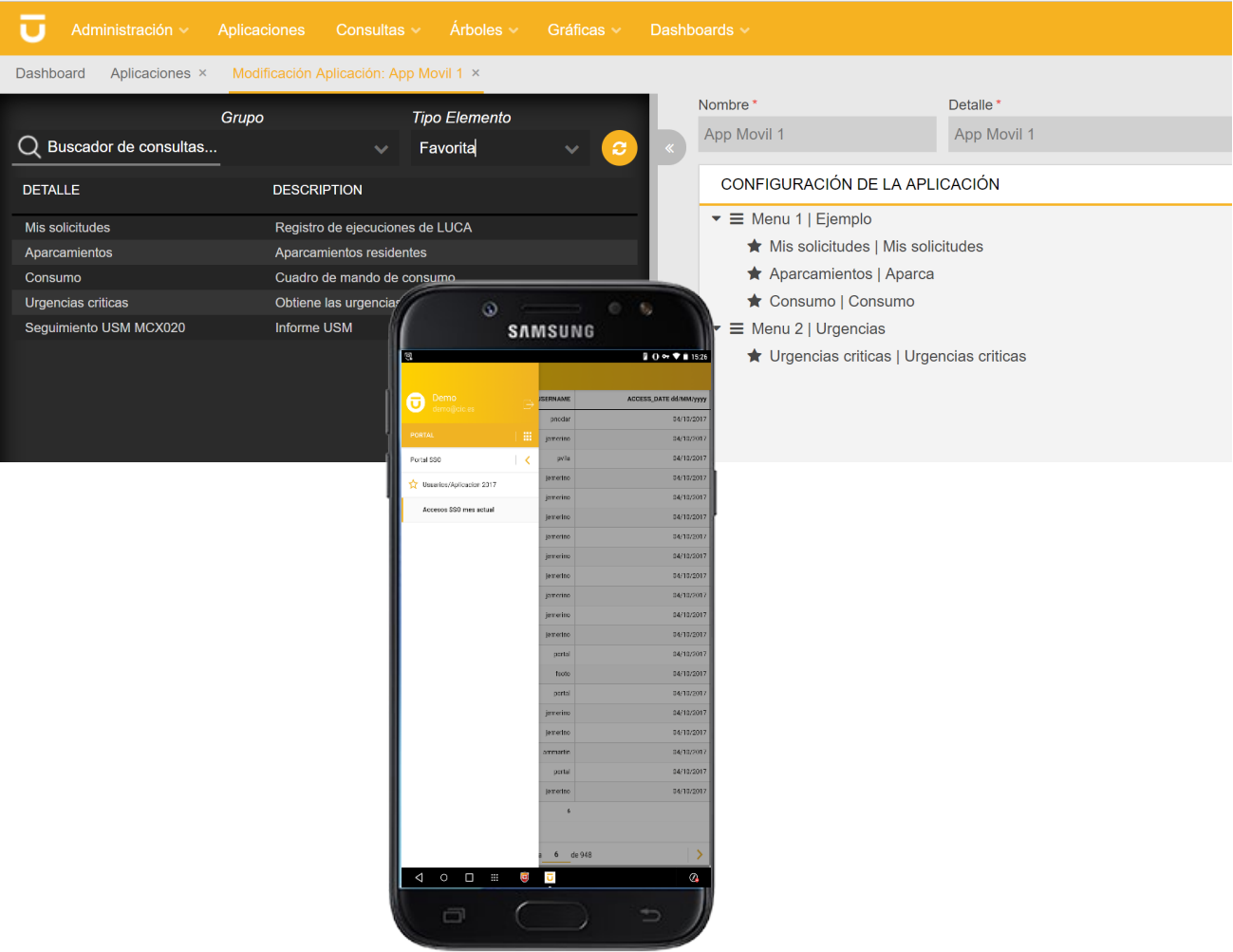


Luca-app





Luca-mobile / API Rest



LUCA-API

Base URL: /luca-web-local/api/, Version: 1.0.0

Official documentation of Luca-BDS API

Schemes: http

Summary

Tag: CustomQueries

Everything about your customQueries

Operation	Description
GET /customQueries/{idCustomQuery}/info/	
POST /customQueries/{idCustomQuery}/	
GET /customQueries/	

Tag: Applications

Access to your internal applications of LUCA

Operation	Description
GET /applications/	

Tag: Favorites

All your favorite custom queries here

Operation	Description
GET /favorites/{favoriteId}/	

Tag: Menus

Your customs menus of Luca-BDS

Operation	Description
GET /menus/{applicationId}/	



Use cases



commented on  [DUOSW-2520](#)

Re: INCIDENCIA TABLET

Urge ver que ocurre y corregir. Nos reclaman desde la comercializadora órdenes que ya están ejecutadas en campo pero en los sistemas aparecen como pendientes.

Gracias.

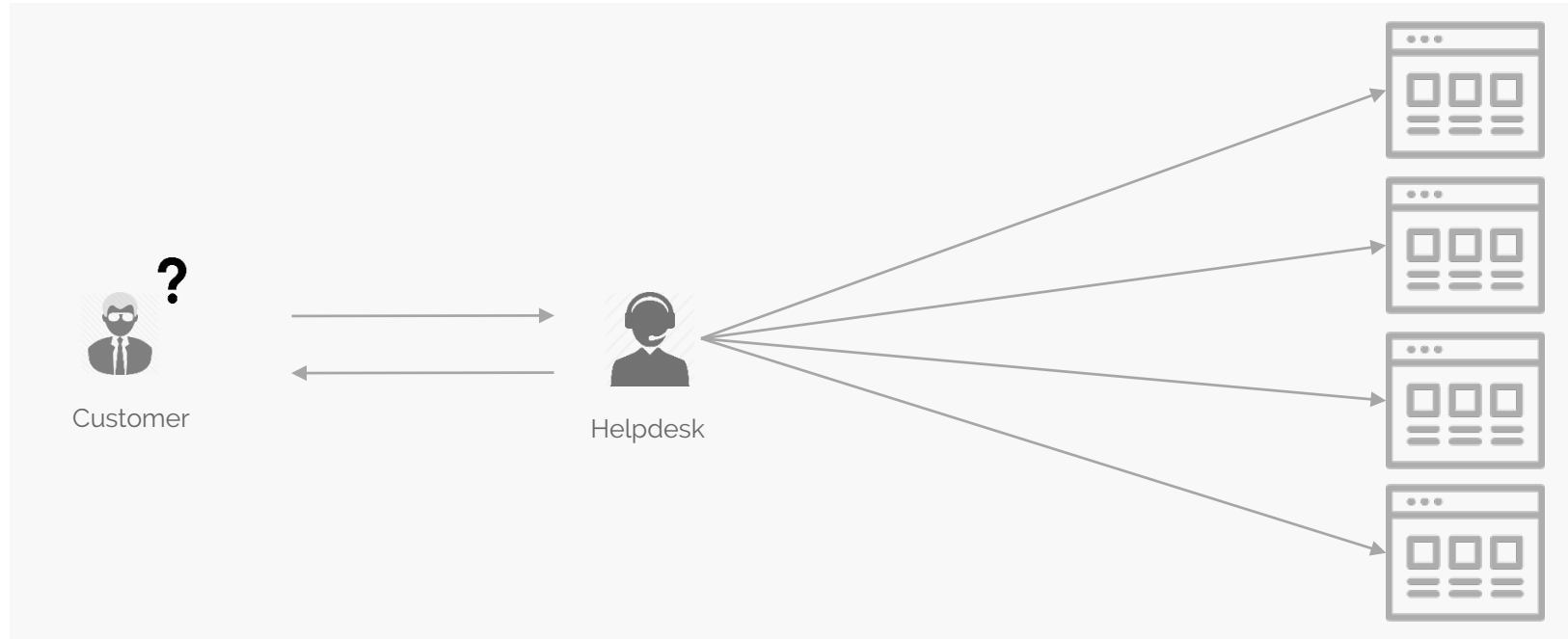
Saludos,

 [Añadir comentario](#)

Provide a solution for IT departments. It needs:

- ☐ Business services
- ☐ Multiple data connectors
- ☐ Platform navigation
- ☐ Operational dashboards
- ☐ Access controls and logs

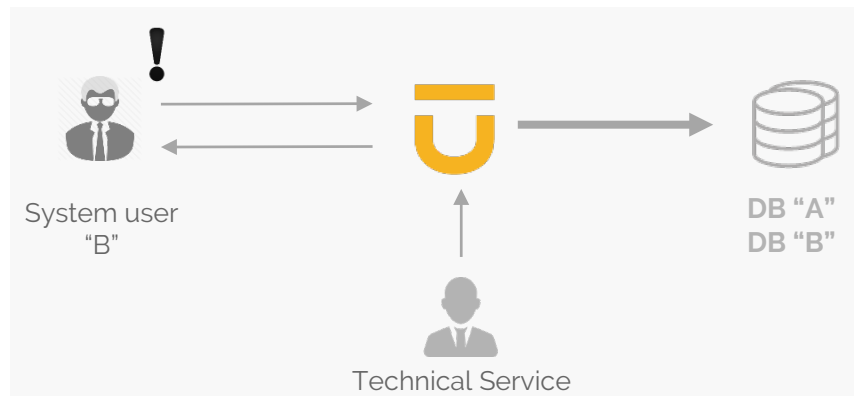
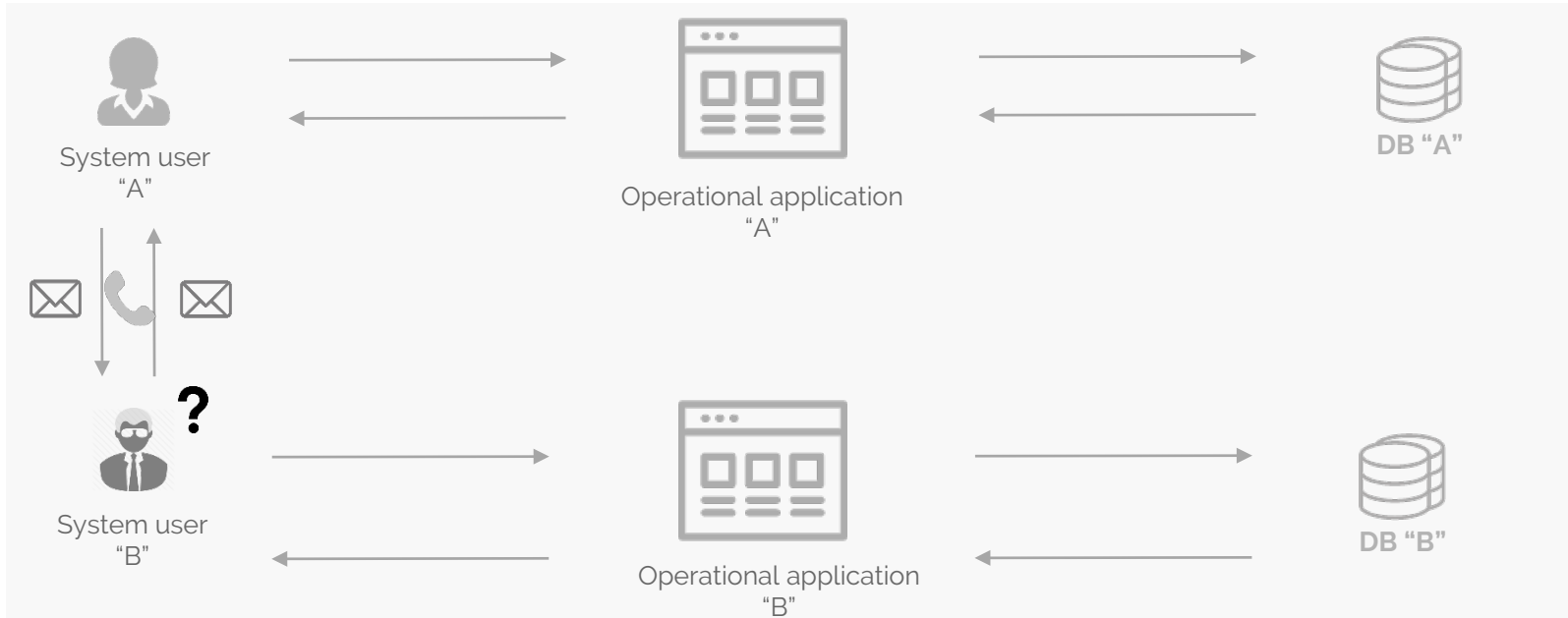
UC-1 : client issue resolution



User Helpdesk

- ☐ Different users to ask
- ☐ Multiple systems
- ☐ Multiple environments

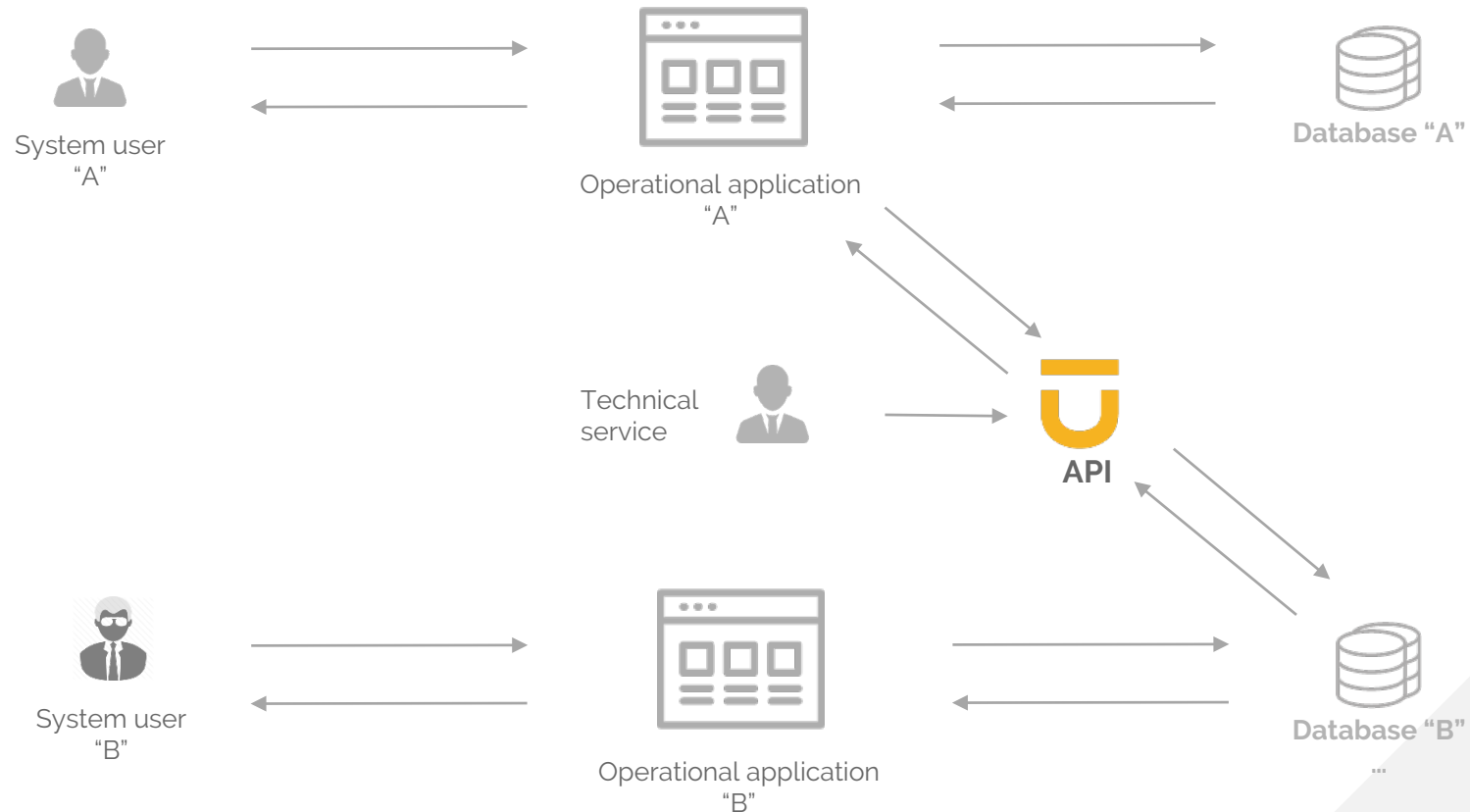
UC-2 : Ask for cross - information



Information relations

- ☐ Complex applications
- ☐ Several systems
- ☐ Multiple environments

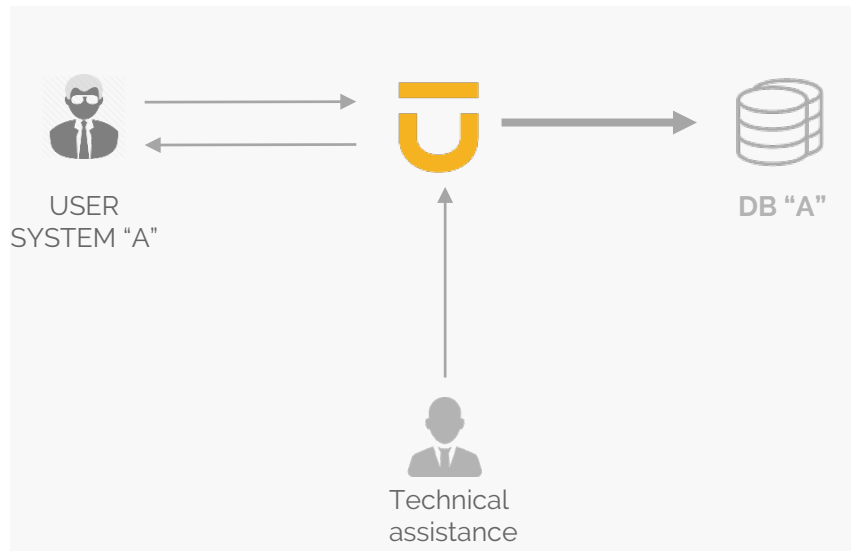
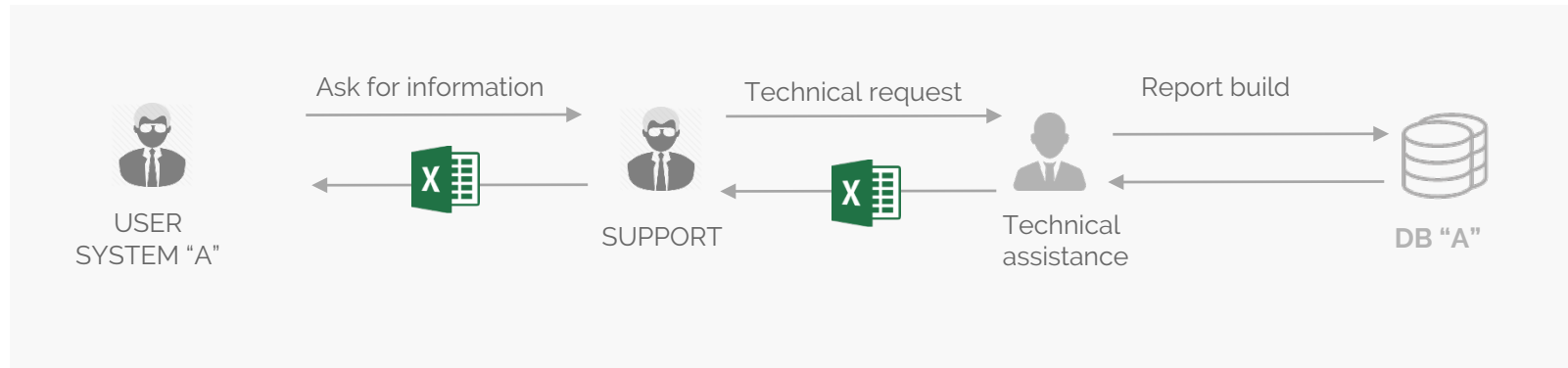
UC-3 : Shared department relations



Department relations

- ❑ Different areas
- ❑ Multiple data sources
- ❑ Multiple environments

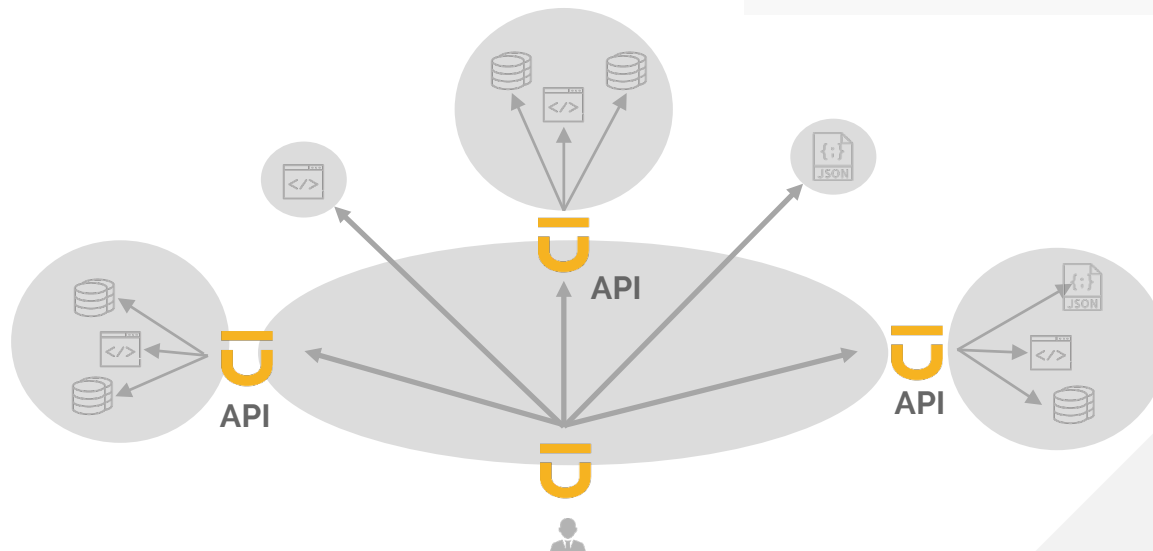
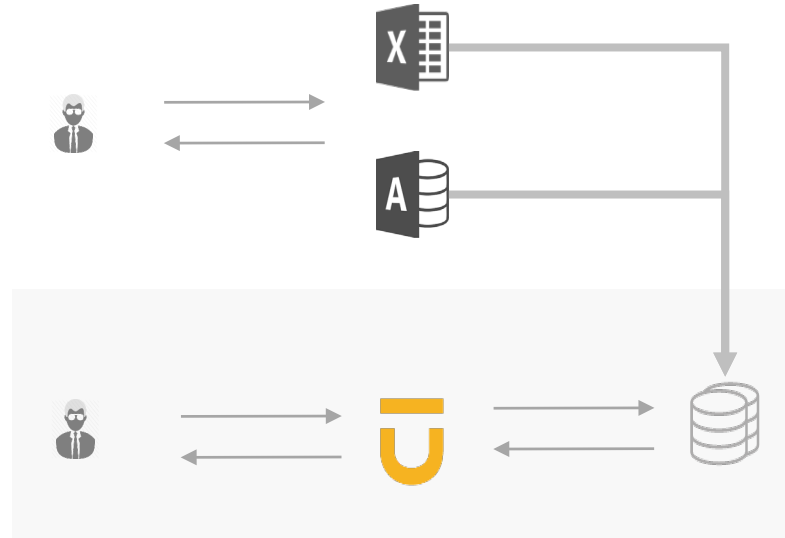
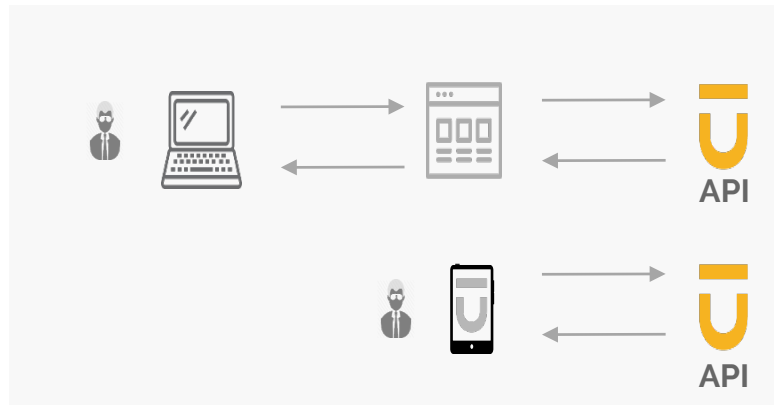
UC-4 : Customized request of information every other day



Periodic report

- ☐ Schedule report execution
- ☐ Send to final user the required information

And ... how many use cases could you imagine?

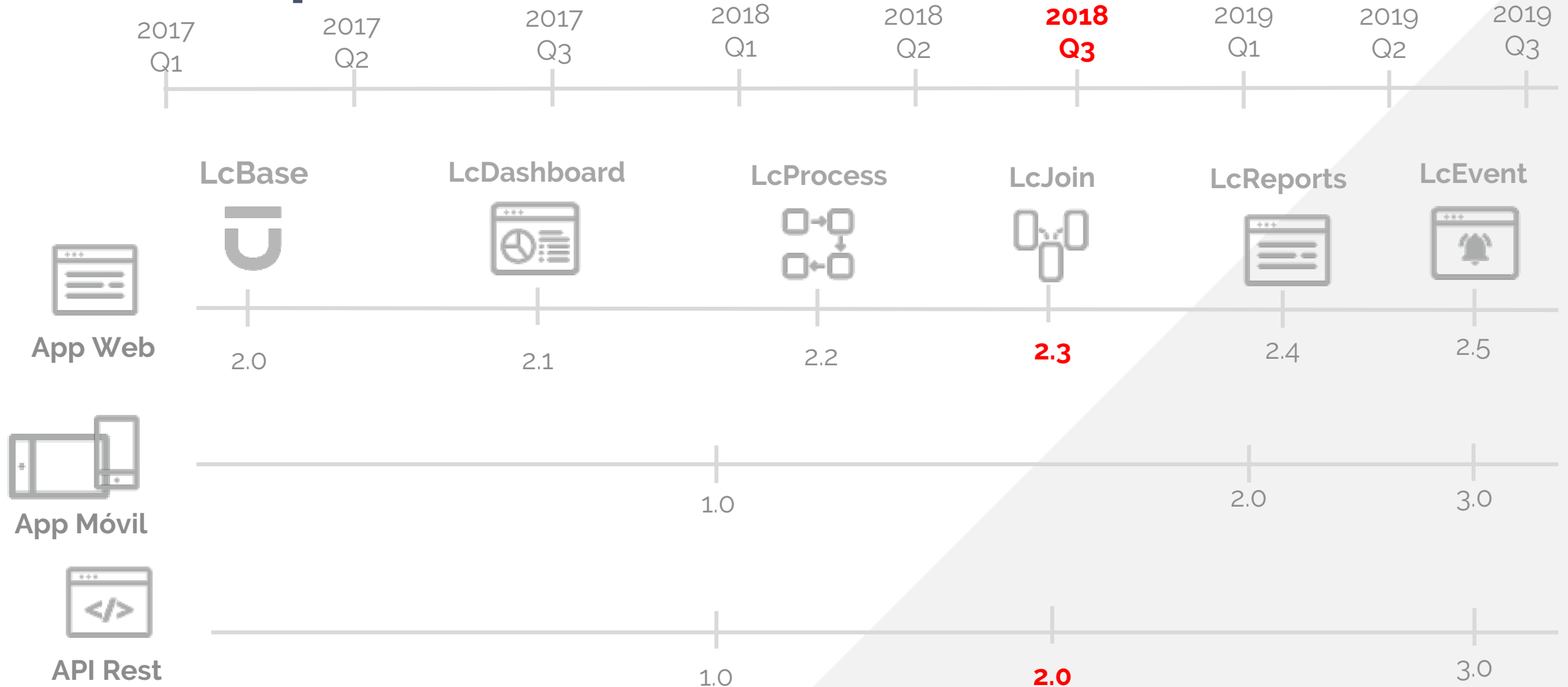


Your question have a LUCA answer

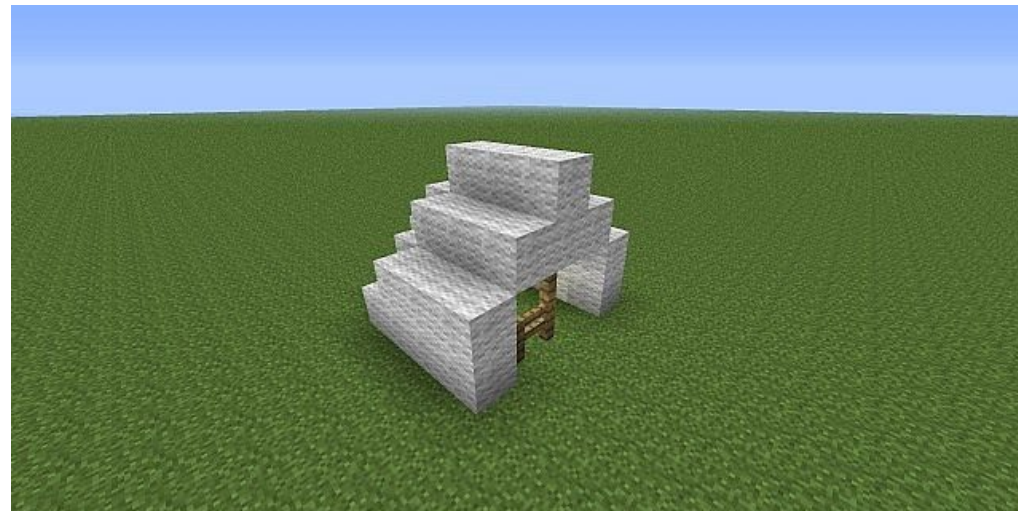
LUCA BDS 2.0 provides you a centralized and integrated view of your business in real time

03. Roadmap

Road Map



Build and use





Santander PCTCAN, Isabel Torres 3, 39011

Madrid Orense 68, Planta 10 , 28020

+34 902 269 017

marketing@cic.es

www.cic.es