

ILUM:E IBM BUSINESS PROCESS MANAGEMENT - GUIDE V1.0

<https://ilume.de/bpmposter/>

TOOLING

PROCESS PORTAL

<https://<host>/ProcessPortal>
Web application to access dashboards and human tasks for BPM user.

PROCESS INSPECTOR

<https://<host>/ProcessInspector>
Web application to search, view and manage process instances for administrators, developers and testers.

PROCESS ADMIN

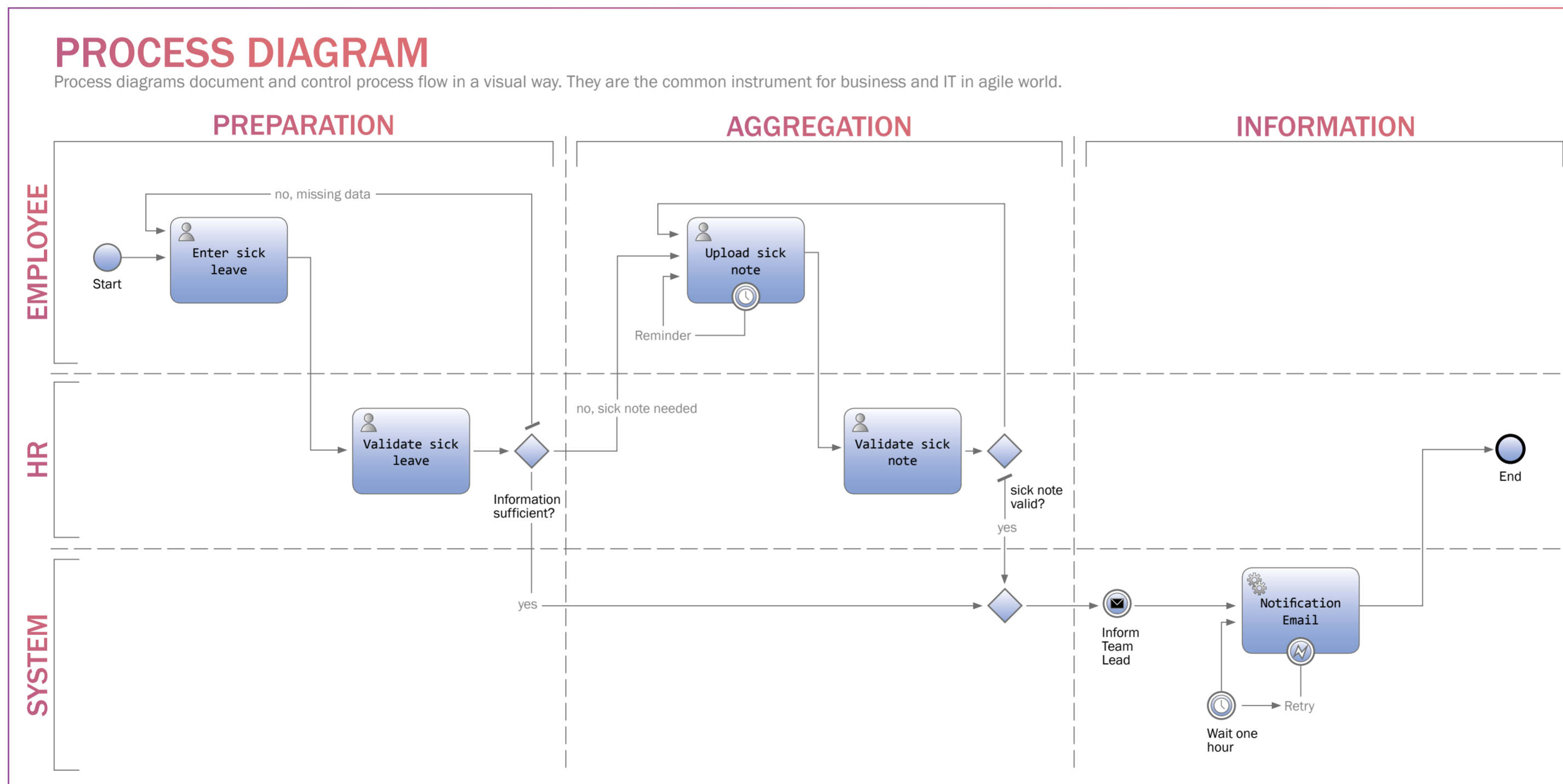
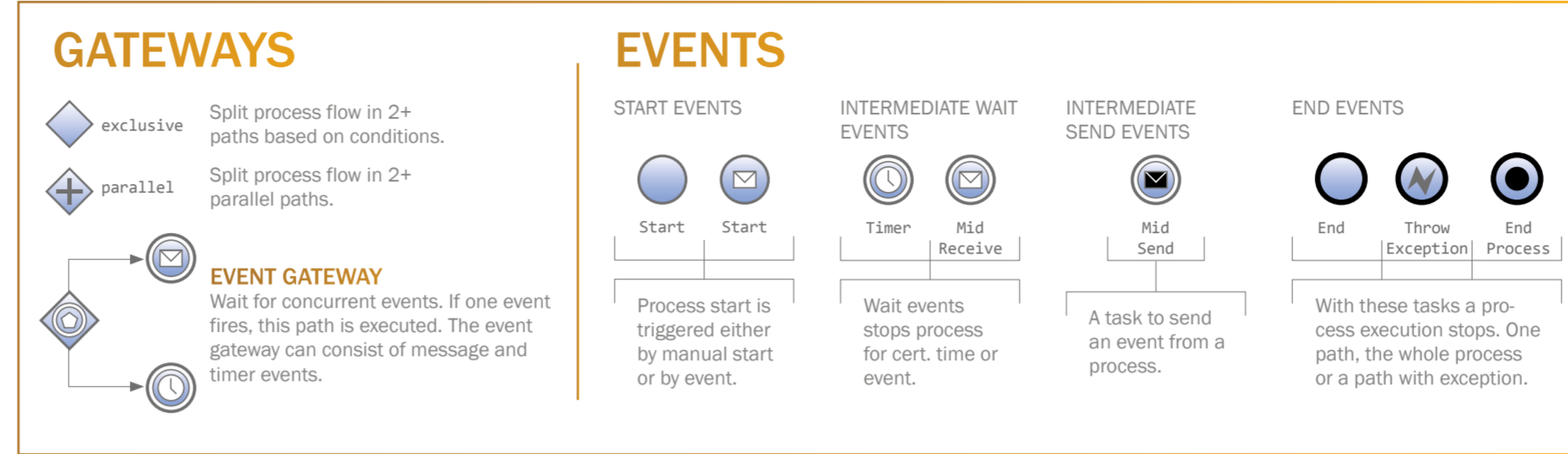
<https://<host>/ProcessAdmin>
Web application to configure and manage the BPM environment.

PROCESS CENTER

<https://<host>/ProcessCenter>
Web application to access the central development repository and IDE.

REST TESTER

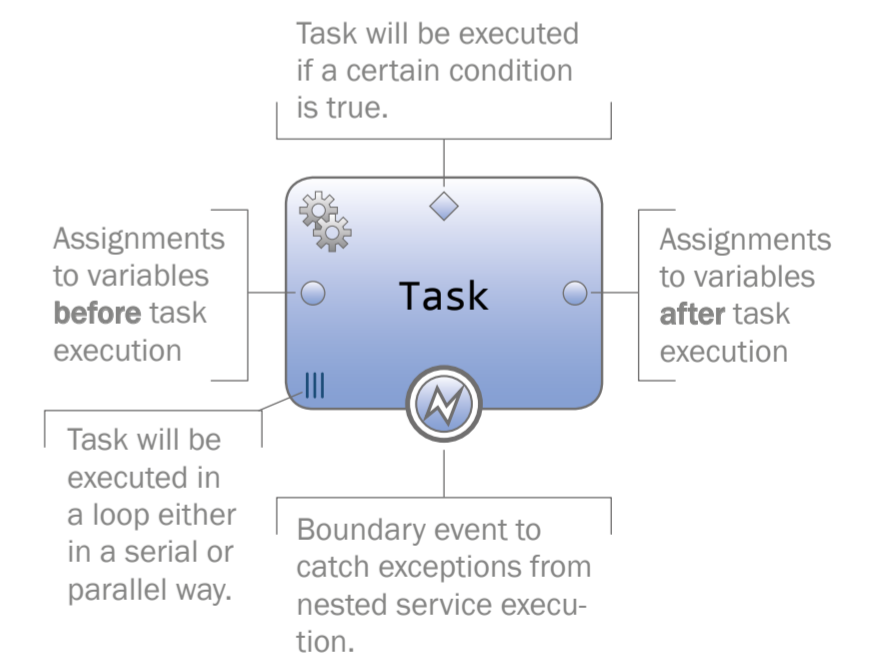
<https://<host>/bpmrest-ui>
Web application to build and run REST API call to BPM server.



ACTIVITIES

Activities represent the work units of a BPM process. They can have different types and attributes.

- User Task**: A task for a user to view and edit process data – also called Coaches or Human Tasks.
- System Task**: A task which is executed by the system. This piece of work is automated and has business logic and/or integrations to partner systems.
- Script Task**: Logic which is not covered by a special BPM declaration. It can be extended by flexible Javascript tasks.
- Decision Task**: This task implements a decision table to derive a certain output from a set of input data in a declarative way.
- Subprocess**: A subprocess groups a set of activities to provide a more readable process structure. This subprocess cannot be reused elsewhere.
- Linked Process**: This task calls another independent process with inputs and outputs. This pattern allows reuse of the linked process in several processes.
- Event Process**: This subprocess groups a set of activities. It is not connected to a certain location but is executed when a defined event occurs.



HUMAN TASK

A light weight integrated user interface of the BPM system to allow user interaction. The UI is web based and can be adapted to browser and mobile use. The tasks can be organized as pages flows, provides a rich set of UI controls and access the process data.

COACHES

User tasks for data entry and process control. The assignment to users is controlled via users and teams.

DASHBOARD

Out of the box and custom dashboards provides data visualization.

DATA

PROCESS DATA

Processes have their custom data model. The individual set of values is specific for a certain process instance, can be monitored and changed.

EXPOSED PROCESS / VALUES (EPV)

Configuration values which can be set for a specific process version (=snapshot). Changes can be scheduled to become active.

ENVIRONMENT / VARIABLES (ENV)

Environment values which are defined for a snapshot and separately for every stage (dev, test, production).

CONNECTIVITY

PROVIDED SERVICES

Custom BPM services which are exposed as SOAP services.

CONSUMED SERVICE

Tool based integration and mapping of external services.

BPM API

Exposed REST services to control the BPM engine.

TYPICAL BPM USE CASES

PROCESS DATA

- >>> 4-Eye-Principle / distributed approvals
- >>> Retry of service calls
- >>> Transparent process execution
- >>> Due date management and escalation
- >>> Controlled team collaboration
- >>> Case management
- >>> Task list management
- >>> Automation of business processes
- >>> Process monitoring and optimization
- >>> Process simulation

IMPLEMENTATION LAYERS

HUMAN TASKS

PROCESSES

GENERAL SERVICES

INTEGRATION SERVICES

EXTERNAL SERVICES