The Celonis Kickstarter

# Process Mining Types and Benefits

## Principles of Process Mining

Process Mining gives you a real-time x-ray of your business processes. A living, breathing, moving picture that reveals where those value opportunities are.

[A blue rectangle with black lines and dots

Description automatically generated](https://academy.celonis.com/learn/course/celonis-kickstarter-1/the-basics/process-mining-types-and-benefits?client=public-panorama&wvideo=yciktltx9h)

[The Celonis Kickstarter - Process Mining Types and Benefits | Public](https://academy.celonis.com/learn/course/celonis-kickstarter-1/the-basics/process-mining-types-and-benefits?client=public-panorama&wvideo=yciktltx9h)

## What are Event Logs?

Event logs are at the core of process mining. **Event logs structure the digital footprints in your processes.**

Sidenote: Event logs are also referred to as 'Activity Tables.' These terms are used synonymously. Both describe the same data structure in process mining.

[A blue and white logo

Description automatically generated](https://academy.celonis.com/learn/course/celonis-kickstarter-1/the-basics/process-mining-types-and-benefits?client=public-panorama&page=2&wvideo=o6q2tbl0t1)

[The Celonis Kickstarter - Process Mining Types and Benefits | Public](https://academy.celonis.com/learn/course/celonis-kickstarter-1/the-basics/process-mining-types-and-benefits?client=public-panorama&page=2&wvideo=o6q2tbl0t1)

A close-up of a log

Description automatically generated

A diagram of a digital footprint

Description automatically generated

## Two types of Process Mining Celonis has Developed

### Case-Centric Process Mining

#### Introduction

Celonis started with case centric process mining that tracks one case (object) per process. It is linear and maps all the process events into sequential event log:

* For Example: In order management process, a case is typically a Sales order Item.
* All the events that take place in process are mapped to their single chosen object. These events are inserted into even logs.
* A Simple data model for one process has one event log. for more comprehensive views multi-event logs are needed

#### Benefits of case-centric Process Mining

Case centric process mining adds value to business by:

* Providing insights into processes based on chosen perspective.
* Allowing businesses to uncover value opportunities within processes.
* Helping businesses to track process performance against specific metrics.
* Allowing businesses to fully or partially automate actions based on process data.

### Object-centric Process Mining

#### Introduction

In 2023 Celonis advanced process intelligence by introducing OCPM to the world. This process mining framework is revolutionary, however to simplify OCPM does the following:

* Models your business processes by capturing object events and their relationship rather than building an event log.
* Allows you to dynamically choose the right perspectives to look at your business from any angle.

#### Benefits of OCPM

OCPM addresses the limitations of and offers multiple advantages over case-centric process mining.

* Data Extraction is only done once, from there you choose the process view i.e. the objects and events you want to analyze.
* It produces more flexible and comprehensive Data models that better represents the reality of modern business operations and allows you for greater business process insights.

The reality is that object exists outside linear, sequential processes and events that can apply to many objects. Instead of forcing your processes into event logs that follow singular objects, you can more naturally model your business based on its objects and events.