

# Process Diamond

## About Process Diamond

Process Diamond provides customers with IT services, ranging from consulting services on process mining to an automated process analytics platform. Established in 2019 and headquartered in Melbourne (Australia), we are the first Australian Process Mining company. Our mission is assisting organizations in optimizing their business processes and ensuring regulatory compliance. We pursue our mission by offering organizations a rich set of process analytics tools, developed using leading products and technologies and based on a combination of in-house innovations and the most recent research advancements.

## Process Diamond Intelligence

Process Diamond Intelligence is a comprehensive platform offering users the possibility of analysing business process events logs and obtaining actionable process insights pointing to inefficiencies or compliance issues. The project started mid 2019 with a team of two people. Throughout the execution of the project, we had to decide about which UI development framework to adopt as part of our platform. The UI development framework needed to satisfy several requirements, among which:

- Full java compatibility
- Full integration with the Spring framework
- Out-of-the-box support for a rich set of UI components
- Possibility for customization
- Performance optimization
- Short learning curve, well documentation and support

## **Why ZK**

After exploring multiple options and developing a few Proof of Concepts, the ZK framework emerged as the clear winner. It fulfilled all the requirements without drawbacks. Additionally, the developer guidelines, the technical documents available on ZK website, and the large and responsive community behind ZK allowed us to develop the UI for our platform in just a few weeks of work with minimum effort.

## **The Best of ZK**

The list and grid components are the most commonly used components within our platform. Additionally, the possibility of programmatically define pages and windows directly in Java is extremely helpful whenever we are dealing with highly dynamic pages or when we need to plot data on demand using ZK Charts.

## **The Result**

ZK has been one of the leading factors which has allowed us to develop a complex and powerful platform for business process analytics in just a few months of work. Process Diamond Intelligence is a running project which is constantly evolving and improving at a fast pace. Below some screenshot of our user interface that we were able to create thanks to ZK.

New Edit Import / Export Perform Sign Out

My Workspace

Garage Car Repair

Name	Business Process	ID	Type	Owner	Permissions	Last modified	Shared
Garage Car Repair		6	Log (.xes.gz)	admin	R   W   D	2019/10/24 22:23	<input type="checkbox"/>
Garage Car Repair - BTR - 2019-10-30		264	BTR	admin	R   W   D	2019/10/30 21:22	<input type="checkbox"/>
Garage Car Repair - DMN		8	DMN Model	admin	R   W   D	2019/10/24 22:23	<input type="checkbox"/>
Garage Car Repair - Prescribed		7	BPMN Model	admin	R   W   D	2019/10/24 22:23	<input type="checkbox"/>
Garage Car Repair Pred		14	Log (.xes.gz)	admin	R   W   D	2019/10/24 22:30	<input type="checkbox"/>
Garage Car Repair Pred		332	BPMN Model	admin	R   W   D	2019/10/31 19:13	<input type="checkbox"/>
Garage Car Repair Pred - BTR		266	BTR	admin	R   W   D	2019/10/30 21:31	<input type="checkbox"/>

Home Analyzer Explorer Compliance Checker Predictor



