

Pega Process Mining 101: Transforming and Evolving Your Processes for Continuous Optimization

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Agenda

When

What you'll learn during this breakout

Who Introduction: Who am I?

Why Motivation: Why do you need process mining?

What Definition: What is process mining? Some history...

How Technical Talk: How does process mining work?

Use cases and user stories: When should we use it?

Business value? Autonomous enterprise?

Where References: Where should you go next?

Who Am I? Hello, I Am Kleber Stroeh!

VP, Process Mining at Pega

- Previously:
 - Co-founder and CEO of EverFlow
 - Co-founder of Icaro Tech and IVP

MsC in Computer Science

Applied Machine Learning

25+ years of experience in software industry

Researcher and author of papers on Process Mining

Proud father of two beautiful girls, devoted husband

Guitar player and vocalist in training





Why Do You Need Process Mining?



Your Mission:

"Go free us from all inefficiencies and automate everything that matters!"



..."Yes, Boss!"

But no visibility makes that mission impossible

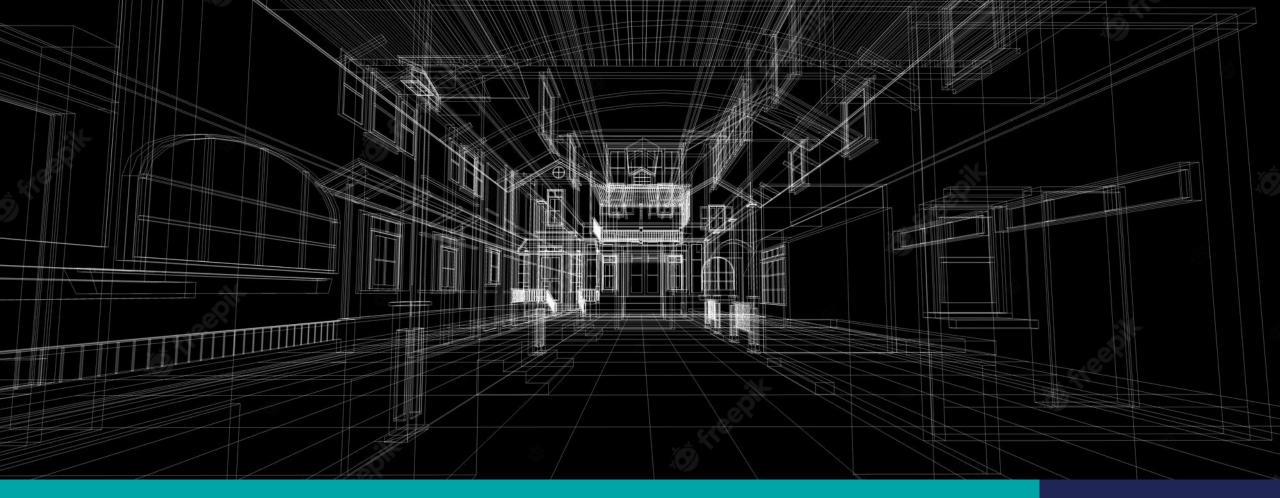


Process Mining Adoption is Accelerating Quickly

Enterprise companies are adopting process mining for cost reduction and automation

"By 2025, 80% of organizations driven by the expectations of cost reduction and automation-derived enhanced process efficiency will embed process mining capabilities in at least 10% of their business operations."





What is Process Mining?

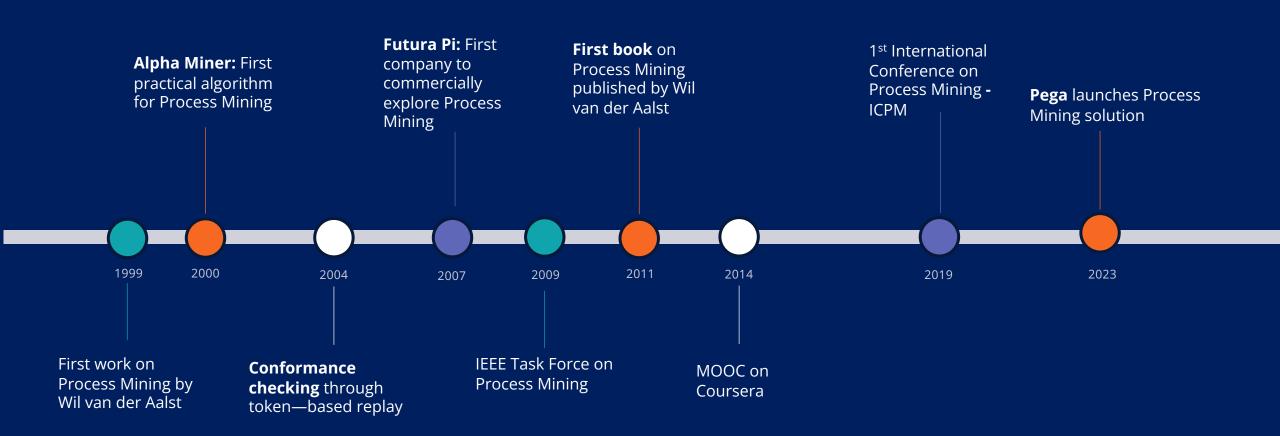






Process Mining History

A brief take on its history...



Process Mining + Task Mining

Analysis of full process across systems



End-to-end process optimization

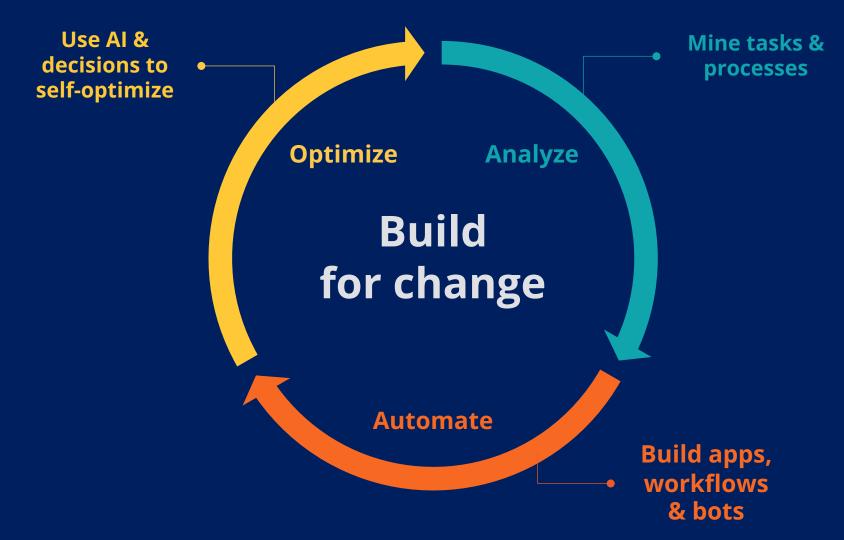
Automate individual work tasks



Desktop activity analysis

Process Mining and Continuous Optimization

Where does Process Mining fit into the autonomous enterprise?





How Does Process Mining Work?



Digital Footprints in the Sand

Data sources for Process Mining

- System logs (files, databases)
 - ERP
 - CRM
 - RPA
 - IT service management
 - Workforce management
 - IVR
 - Web servers
 - Apps
 - Legacy systems

Mapping Events Into Processes

Three fields:



| Work_Order_Id | Start_Timestamp | Status | Туре | Assignee | Event_Cost_USD |
|---------------|---------------------|------------|------|------------------|----------------|
| 1 | 2018-04-04 21:34:35 | Assigned | PC | Zachary Shepherd | 112.85 |
| 1 | 2018-04-05 03:13:08 | Dispatched | PC | Zachary Shepherd | 60.06 |
| 1 | 2018-04-05 06:13:19 | Received | PC | Zachary Shepherd | 1.94 |
| 1 | 2018-04-05 06:19:08 | Accepted | PC | Zachary Shepherd | 191.66 |
| 1 | 2018-04-05 15:54:06 | On the Way | PC | Zachary Shepherd | 14.05 |

That's all you need!

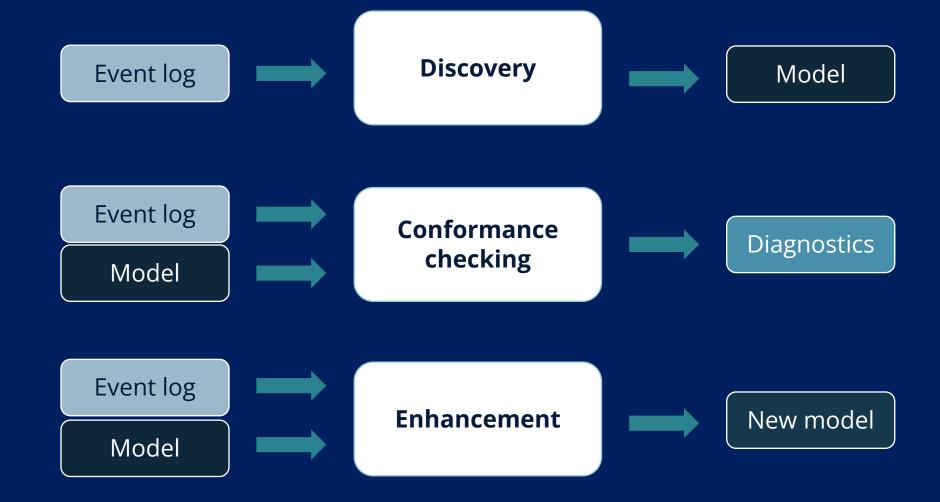
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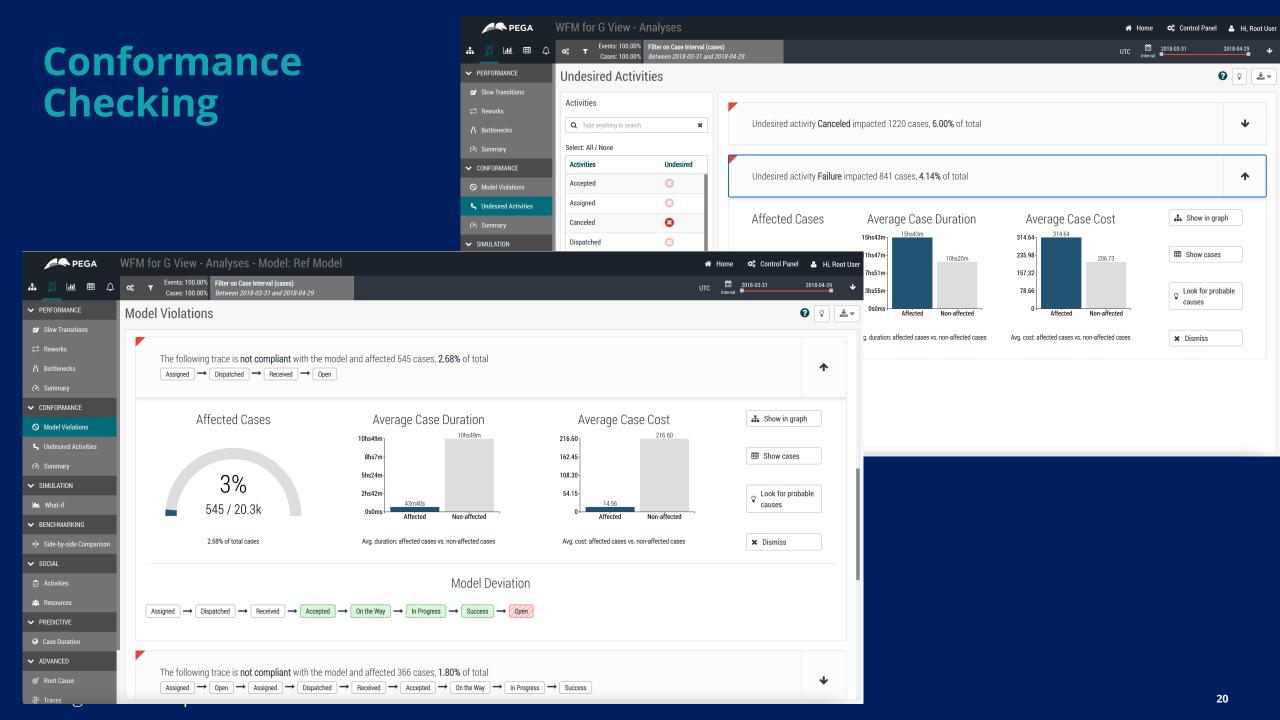


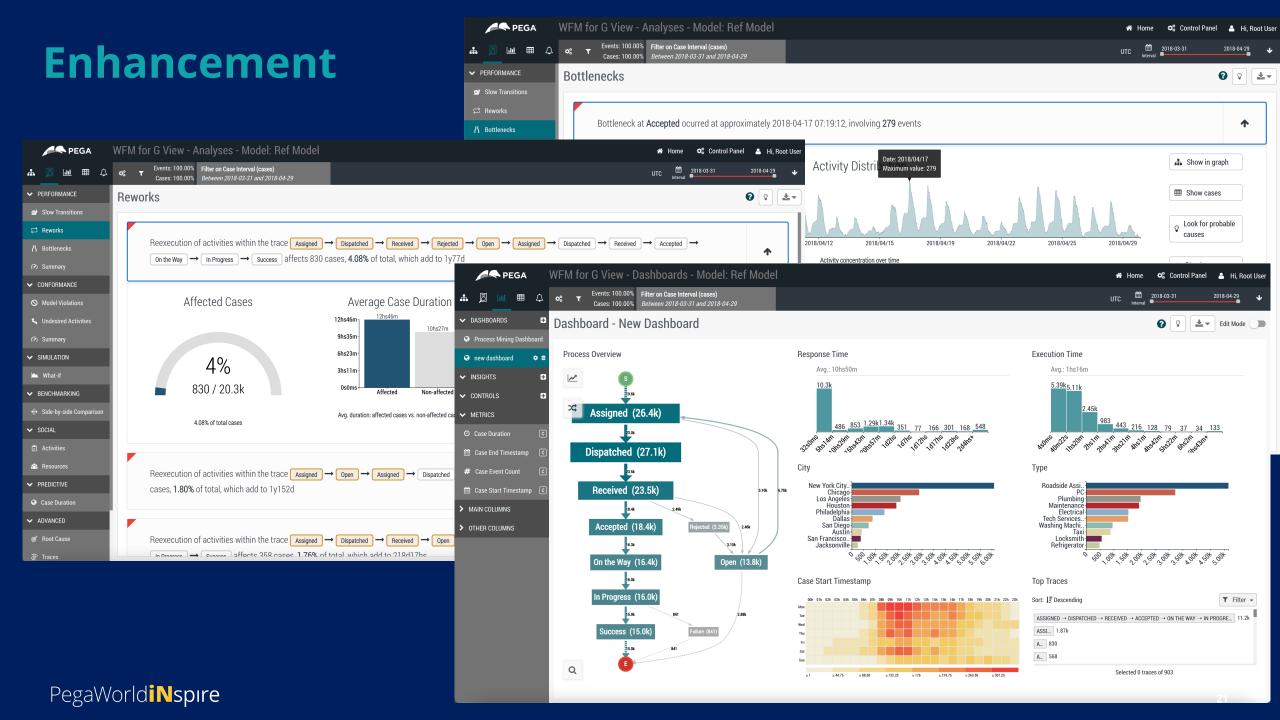
That's all you need

Types of Process Mining

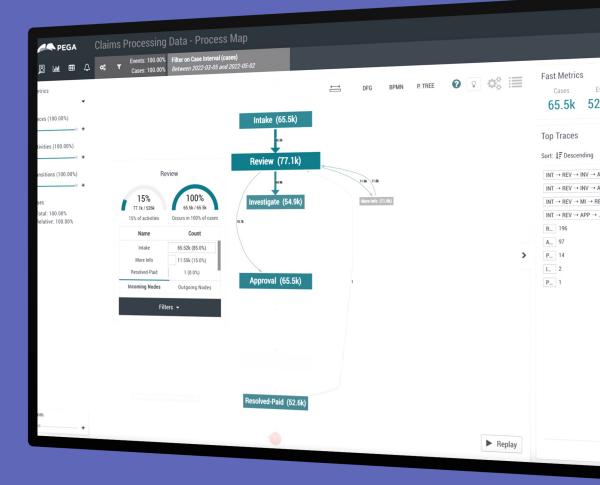


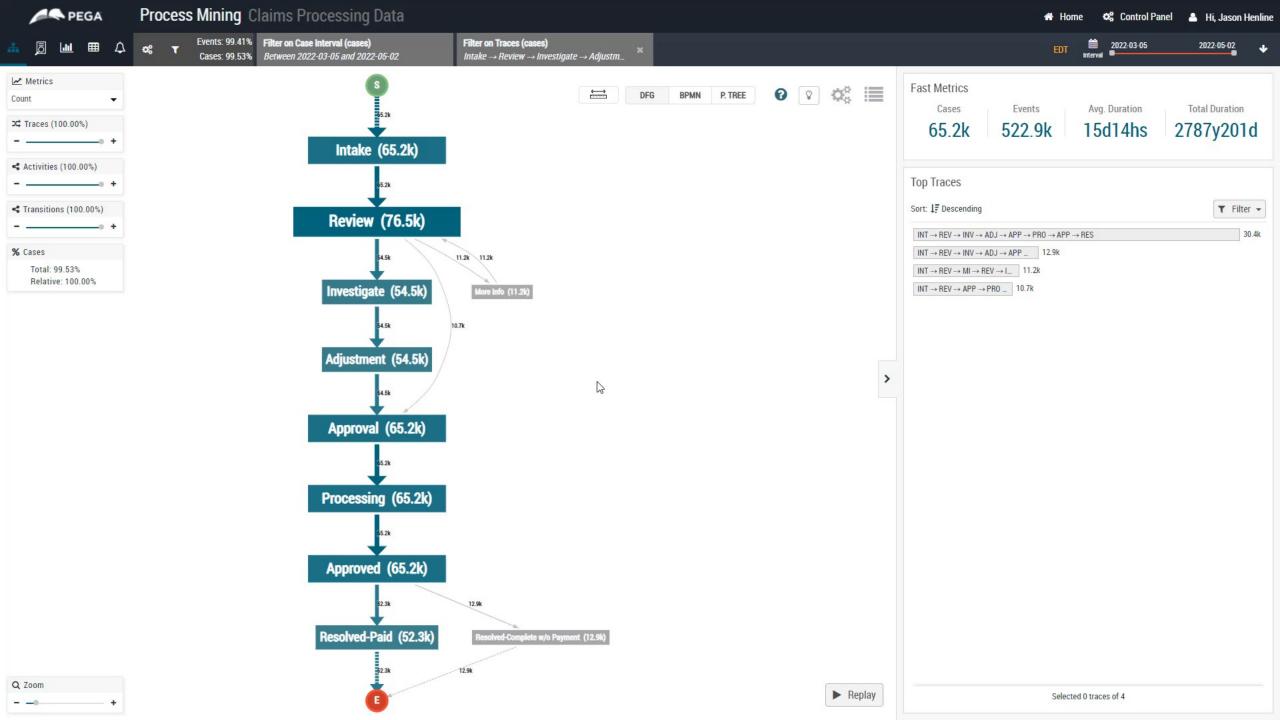
PEGA WFM for G View - Replay A Home Control Panel A Hi, Root User Events: 100.00% Filter on Case Interval (cases) Cases: 100.00% Between 2018-03-31 and 2018-04-29 **Discovery** ← Back Assiged (2) PEGA A Home Control Panel A Hi, Root User Events: 100.00% Filter on Case Interval (cases) 2018-04-29 UTC 2018-03-31 Metrics Fast Metrics DFG BPMN P. TREE Count Avg. Duration Total Duration > Traces (1.22%) 24y188d 20.3k 162.4k 10hs33m Accepad (90) Assigned (26.4k) Activities (92.86%) Top Traces ▼ Filter ▼ Sort: ↓ F Descending Transitions (30.88%) Dispatched (27.1k) $\mathsf{ASS} \to \mathsf{DIS} \to \mathsf{REC} \to \mathsf{ACC} \to \mathsf{OTW} \to \mathsf{IP} \to \mathsf{SUC}$ ASS ... 1.87k % Cases A... 830 Total: 81.54% A... 568 Relative: 81.54% Received (23.5k) A... 545 Accepted (18.4k) BPMN P. TREE On the Way (16.4k) A... 207 A... 161 A... 154 A... 143 Open (13.8k) In Progress (16.0k) A... 141 A... 124 Total: 75.39% A... 117 Relative: 75.39% 2.88k Success (15.0k) D... 89 P... 80 • $\otimes \otimes$ $+ \otimes + \otimes$ A 72 Q Zoom ► Replay PegaWorld**iNspire**





Demo







Use Cases and Business Value



Applications & Business Value



Process optimization and automation



Operations management



Customer journey and experience



Process compliance, auditing, monitoring

Reduce costs by identifying bottlenecks, reworks and faulty processes

Improve customer and employee journeys and satisfaction

Increase revenue by pinpointing upselling and cross-selling opportunities

Mitigate/reduce regulatory or SLA penalties

What Clients Say...

3 companies, 3 different use cases

Financial institution in NA

- Goal: process improvement and automation
- Context: data-driven org focusing on decentralized process improvement teams

Manufacturer in EMEA

- Goal: reduce lead time and increase digitalization
- Context: shared services center leveraging Pega COE

Large bank in LATAM

- Goal: reduce friction and increase customer loyalty
- Context: fast-paced digital transformation journey

"The goal for us is to stay #1 in client service. Task Mining got us to a certain point, and Process Mining is going to take us to the next level" "We have a goal to reduce costs by 7% every year"

"We suspect some things in the process, but without data we cannot prove that in the organization"

What's Great about Pega Process Mining

Power in the hands of the citizen process miner = shorter time-to-value

Easy to use

A simple user experience allows business users to mine processes without the need for deep technical skills

Powerful insights

Deep capability in AI, analysis, and visualization – combined with the power of the Pega Platform – maximizes the impact of your results and reduces time-to-value

Effortlessly scalable

Full support for a wide range of big data scenarios; designed for the enterprise



Where Should I Go to Learn More?



Ready To **Transform Your Processes** With Pega Process Mining?

Request a demo today, or...

- Join our Process Mining meetup at lunchtime on Tuesday in the Grand Ballroom
- Visit our three booths in the Innovation Hub!

