

# ABBYY® Timeline SAP Connector™

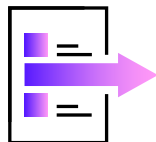
Access process-relevant data from your SAP system

## ABBYY Timeline SAP Connector delivers SAP event logs with full transparency of each activity

ABBYY Timeline SAP Connector provides an SAP-certified module that removes the time-consuming steps of data extraction, event log creation, and visualization from SAP applications with just a few clicks.

ABBYY Timeline allows businesses to use the information contained within their SAP systems to create a visual model of their processes, analyze them to identify opportunities for process improvement, monitor them in real time, and predict future outcomes to facilitate decision-making.

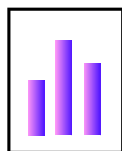
### Efficient data extraction



#### SAP Connector automatically loads only the data that is needed

- Extracts data from custom SAP fields
- Allows users to define the tables and fields required from SAP in order to analyze desired process events
- Extracted SAP data is imported directly to ABBYY Timeline

### Pre-defined event logs



#### For SAP purchase-to-pay and order-to-cash processes

Pre-defined SAP event logs include

- Company code information
- Vendor and customer information
- Material master data
- Monetary values converted into a reporting currency of your choice
- Change events (SAP change log) in the process
- All resources, such as who executed the event
- Automation insights, such as the level of automation of your events (pre-phase for RPA projects)

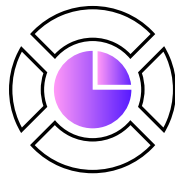
## Upload function for ABBYY Timeline



## SAP event logs are automatically uploaded to ABBYY Timeline

- ABBYY Timeline allows you to import data from practically any packaged applications, such as SAP, ERP, CRM, HCM, ECM, and from databases/EDW/marts
- Using advanced algorithms, ABBYY Timeline extracts and reads the event time stamps to order them exactly as they occurred in your SAP processes
- From all these resources, Timeline extracts and converts data into events reflecting all the steps of a process

## Complete visualization and analysis



## Visualize and analyze SAP business processes using ABBYY Timeline

ABBYY Timeline visually models SAP event logs, reconstituting them into process instances in such a way that users can instantly identify variations from the ideal process flow to find the root cause of a problem.

ABBYY Timeline empowers organizations to

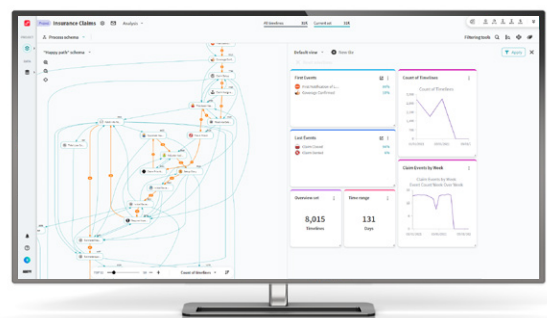
- Make data-driven process optimization decisions
- Combine data from desktop activities and event logs from operational systems to surface the biggest opportunities for automation
- Gain process transparency by revealing process bottlenecks
- Uncover areas where required process execution rules are violated, including the order of tasks and time limits, and when any step is missing or repeated

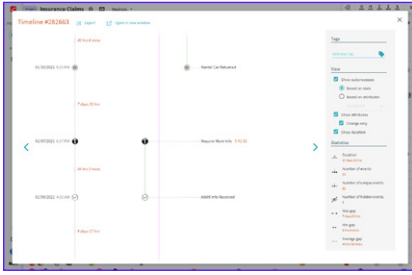
## With over 25 pre-built tools, ABBYY Timeline allows users to quickly uncover and understand how their SAP processes execute

Once SAP business processes are reconstructed, ABBYY Timeline's discovery, analysis, and monitoring capabilities are available without any configuration or coding.

### Process schema

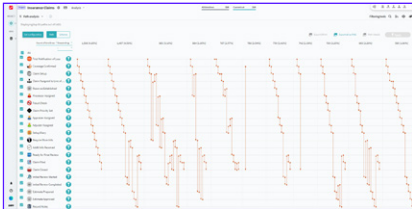
The process schema visually maps the most common path of SAP business processes, while also displaying all of the ad-hoc process flows. ABBYY Timeline uses advanced statistical analysis to specifically choose which steps are most reliably and commonly occurring at the same place in the process.





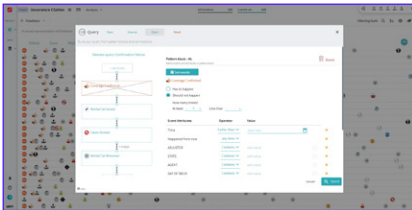
## Detailed case (instance) analysis

SAP process instances can be analyzed in detail even when different steps in the process are performed on multiple back-end systems. Subprocesses are detected using event pattern analysis.



## Path analysis

All SAP process instances are analyzed to identify hidden execution patterns that can be used to detect behaviors that may be beneficial or detrimental to SAP operations.



## Process query

Users can easily define complex queries using a simple point-and-click configuration tool and find the SAP process instances that match those conditions with sub-second response time.

Step	No. of Instances	Average Duration	Standard Deviation	Variance	Variance Ratio
Initial Processor Contact	1000	1.5	0.5	0.25	0.167
Processor Assigned	1000	1.5	0.5	0.25	0.167
Final Processor Contact	1000	1.5	0.5	0.25	0.167
...	...	...	...	...	...

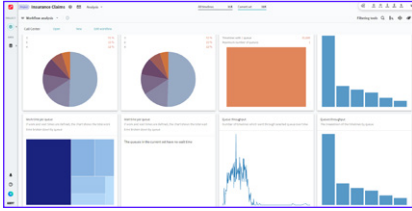
## Bottleneck analysis

Bottleneck analysis identifies and visualizes the impact of individual SAP process steps on process performance and throughput to detect the best automation and improvement candidates. The impact of the events is determined by the time interval. ABBYY Timeline then produces key metrics that can be sorted in order to have a clear list of top processes to improve (root cause).

Protocol Item	Violation Type	Count	Standard Deviation
Initial Processor Contact	Wrong position	11415.87%	4.9%
Processor Assigned	Wrong step	2933.4%	3.8%
Final Processor Contact	Wrong step	18204.26%	14.3%
Final Processor Contact	Time violation	23770.24.2%	81.7%

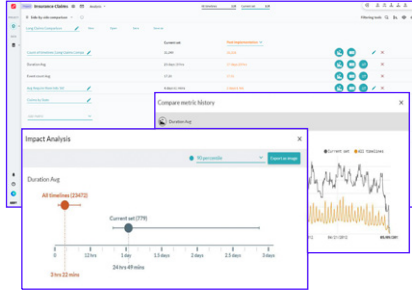
## Protocol analysis

Protocol analysis allows users to specify precise execution rules (order, timing, count, etc.) that must be followed and identify SAP process instances that fail to meet those conditions.



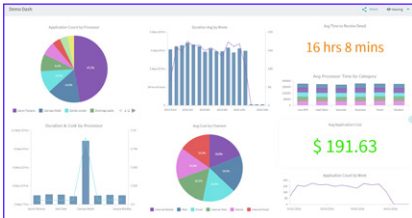
## Workflow/journey mapping

Processes that utilize queue-based routing of people or work items (e.g., customer service, IT services, or call center operations) are analyzed automatically.



## Side-by-side comparison

Subsets of SAP process instances that meet certain conditions (e.g., cohorts) can be compared side-by-side to more easily identify variations of one cohort versus the other.



## Operational dashboards

All users can easily define process monitoring dashboards to track key process metrics and be alerted to any change in conditions that relate to their operational areas.

## Web page embedding

Web page embedding allows Timeline modules to be embedded in an iframe in other web applications. This means that Timeline analytics and visualizations can be included in other applications, providing an easy way of integrating Timeline in other platforms.

## ABBYY Process Intelligence

ABBYY's Process Intelligence platform empowers businesses to use the information contained within their systems to create a visual model of their processes, analyze them in real time to identify bottlenecks, and predict future outcomes to facilitate decision-making.

With access to real-time data about exactly how processes are working and the content that fuels them, ABBYY enables you to gain end-to-end visibility into processes where it matters most: customer experience, competitive advantage, and compliance.

[Learn more](#)



If you have additional questions, contact your local ABBYY representative listed under [www.abbyy.com/contacts](http://www.abbyy.com/contacts).  
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