European Factory Platform

WASP

WASP has been developed to help companies enhance automation in their processes and drive value through improved performance of their activities as well as direct and indirect cost reduction.

WASP is offered in both Cloud and in-house deployment modes. Users can subscribe to and use WASP online through the EFPF Portal, or tailored setup can be purchased for own/inhouse use. EFPF users can benefit from full functionality of WASP, available through the EFPF Portal. Custom configurations and enhancements can be requested through EFF.

WHAT IS THE EFPF WASP

WASP is a digital platform for efficient workflow and service automation. WASP has been developed to automate, orchestrate and execute processes that combine multiple activities (of both manual and automated nature).
It offers a range of functionalities that will help to improve and automate services and processes in an organisation or within a collaborative network.

WHAT IS AVAILABLE THROUGH WASP

WASP ensures better control, risk assessment and visibility of supply chain activities by combining automated and manual activities. These activities connect web services and user interfaces to achieve real-time visibility into the supply chain. It allows organisations to identify and manage risks when executing complex processes. The key product features of WASP are:

- Service Marketplace - users can expose web-services with different privacy constraints. These web-services can be linked with the task(s) in processes.
- Cross company process visibility
- Real-time email alerts (about relevant activities) to users
- Vertical and horizontal integration
- Ability to manage business rules
- Live quality monitoring of processes and associated services
- Analysis of historic processes to gather data about vital associated services

WHY CONNECTING TO EFPF WORKFLOW AND SERVICE AUTOMATION PLATFORM (WASP)

WASP is a digital workflow and service automation platform. WASP offers a range of functionalities that can help organisations and supply chain partners to automate their activities, orchestrate different services and bring more visibility into the activities taking place in distributed or cross-organisational processes.

WASP provides a graphic user interface (Process Designer) that enables users to design processes that are composed of several activities, which can be performed within a company or within a collaborative network or supply chain. The Process Designer allows the interlinking of different activities using standard BPMN notations. The automated validation of designed processes is also supported. Each activity in the process can be assigned to a (human) user or an automated service from the integrated Marketplace.

The design and real-time execution status of the process can be shared with collaborators/partners, enabling increased visibility and risk assessment in distributed processes.

The platform development is a joint effort between 30 partners. The development of European Factory Platform is partly funded by the European Commission in the Horizon 2020 framework programme under the Grant Agreement No. 825075.
WASP is available for use through an intuitive UI accessible from the EFPF Portal. The UI supports the design, execution and monitoring of WASP processes. The UI also provides access to the integrated Marketplace where automated services can be exposed by the users.

Connection between different information systems and WASP processes can be established through the automated (web-)services that users can develop and expose in the integrated Marketplace.

**WHAT ARE THE COSTS FOR USING WASP**

There is no cost associated with the use of WASP on the EFPF platform. Users can use the full set of functionalities and all components of the overall WASP solution.

For inter or intra-organizational use, a tailored WASP deployment can be provided to address specific needs and usage scenarios. The tailored deployment comes with or without full support services that cover both functional and non-functional aspects of using WASP.

**HOW TO CONNECT TO WASP**

WASP is available for use through an intuitive UI accessible from the EFPF Portal. The UI supports the design, execution and monitoring of WASP processes. The UI also provides access to the integrated Marketplace where automated services can be exposed by the users.

Connection between different information systems and WASP processes can be established through the automated (web-)services that users can develop and expose in the integrated Marketplace.

- **Design:** Design, execute and manage processes (workflows), enabling a reduction in operational costs and increased profitability
- **Orchestrate:**
  - Services, equipment, and other devices (IoT devices)
  - Employees’ activities leading to improved productivity
- **Marketplace:** Access and use a marketplace of services which will enable a strong foundation that will permit more visibility between partners
- **Supply Chain:** Streamlining the end to end supply chain, enabling all different parts of the chain to be managed in tandem
- **Publish:** Publish processes as services to be added in others supply chains
- **Analytics:** Process analytics which can support the delivery of superior customer service with metrics to give visibility of the level of service being provided

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