

Introduction

Definitions

Workflow

Device

Automation

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Example for Device/Machine Automation



This seminar covers only:

Workflow Automation

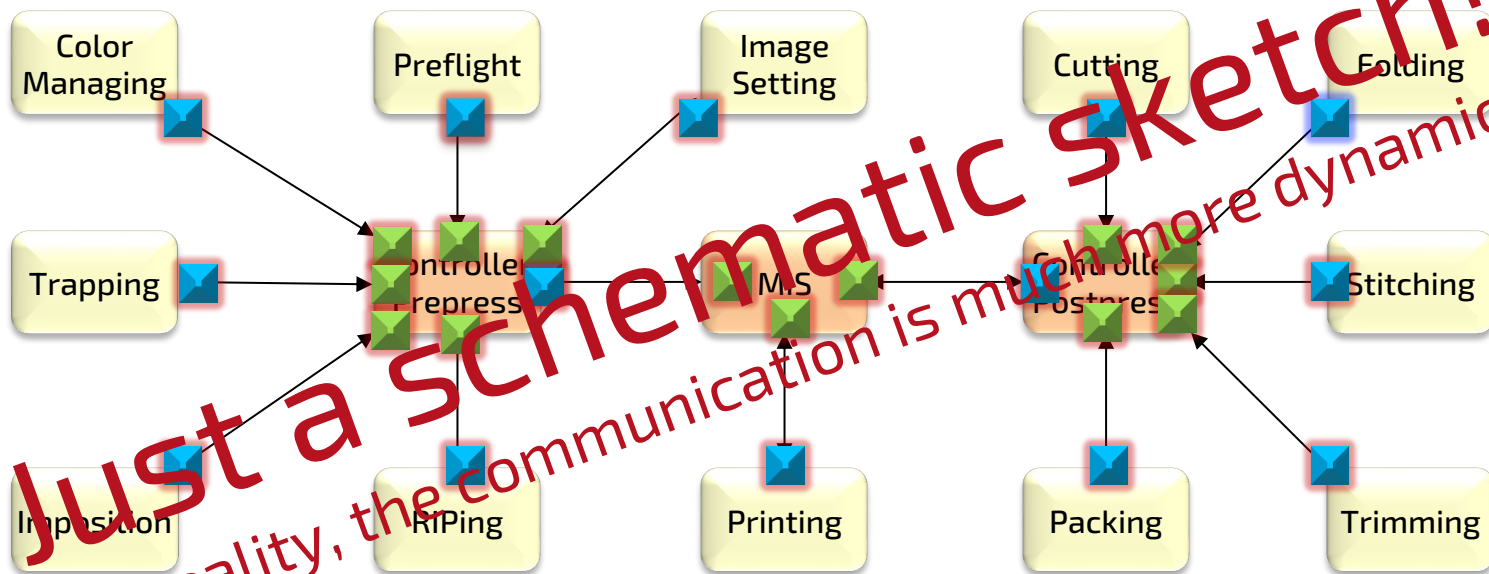
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Device Automation

Workflow and device automation depend on each other. Often device automation needs (meta) data from outside; workflow messages provide this data.

Print Production Workflow Automation

- ▶ Which information are in the packages?
 - » Green: Product intents, information for processes
 - » Blue: Time & material consumed, quality report, status

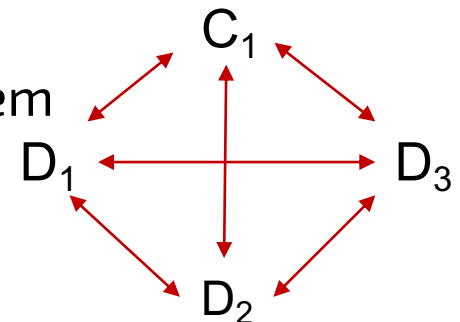


Metadata, Devices and Controller

- ▶ A **device** is either a software application or some machine. It initiates the execution of one or several processes. Sometimes, it refers only to the device driver for a machine.
- ▶ **Metadata** = information/data about content data (text, images, graphics, pages) or about print production.
- ▶ A **controller** routes metadata and messages in a workflow system.

»E.g., MIS/ERP, Workflow (Management) System

- ▶ Devices and controller communicate with each other about product and production details.



Concept of Workflow Automation

- ▶ A **workflow** denotes the sequence of production and business processes, in whole or part, during which documents, information and task descriptions are passed from one participant to another for action according to a set of procedural rules.
- ▶ A **process** is an activity with a single specific objective that can be planned and executed independently.
- ▶ **Workflow Automation** means automatically supplying processes (devices) with data.
- ▶ A process can start and execute automatically, if...
 - » ...the data in the “green containers” is available and relevant
 - » ...the device understands the data and can execute a process automatically using the data (device automation).