

AutomaticTM

Let's Automate Business.

June 2015

JMS and Hadoop Agent

Automic Workload Automation

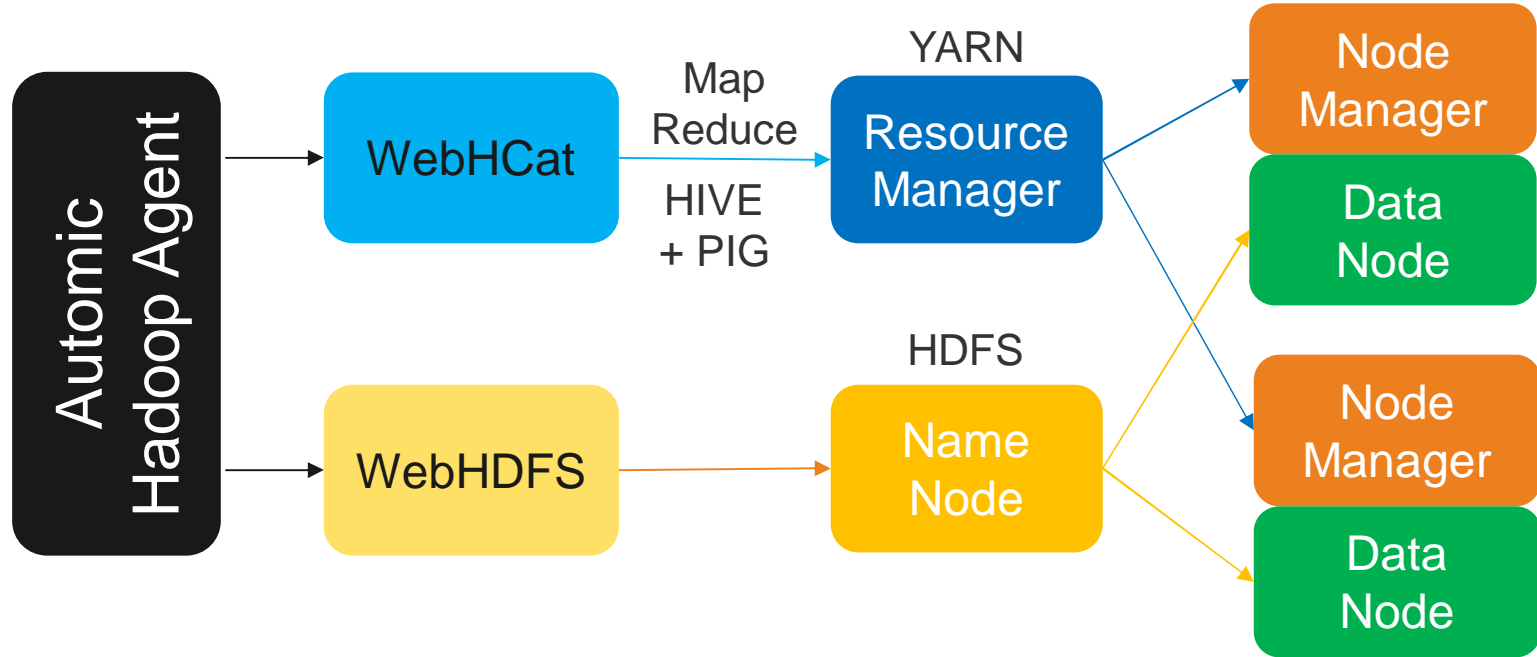
- + Hadoop Agent Demonstration
 - Structure of Automic Hadoop Connection
 - Hadoop use cases
 - Demonstration + Feature Introduction
- + JMS Agent Demonstration
 - Which ESB solutions are supported?
 - Discussing use cases
 - Demonstration + Feature Introduction

Hadoop Agent

Data Automation - Hadoop Integration

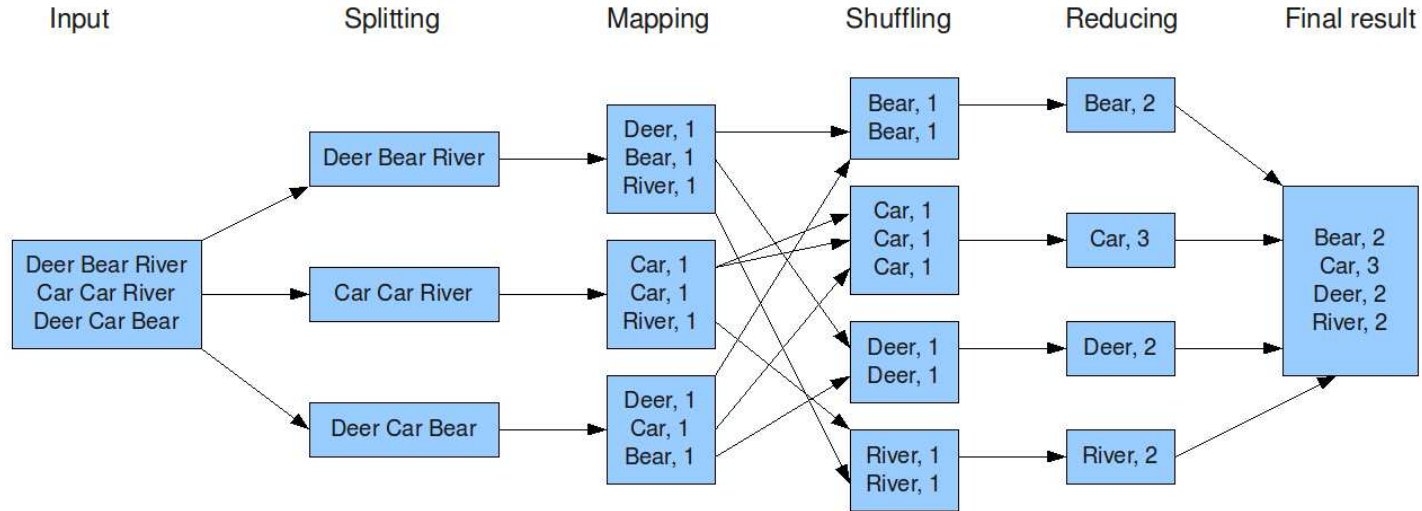
HADOOP != RDBMS

How does Automic connects with Hadoop



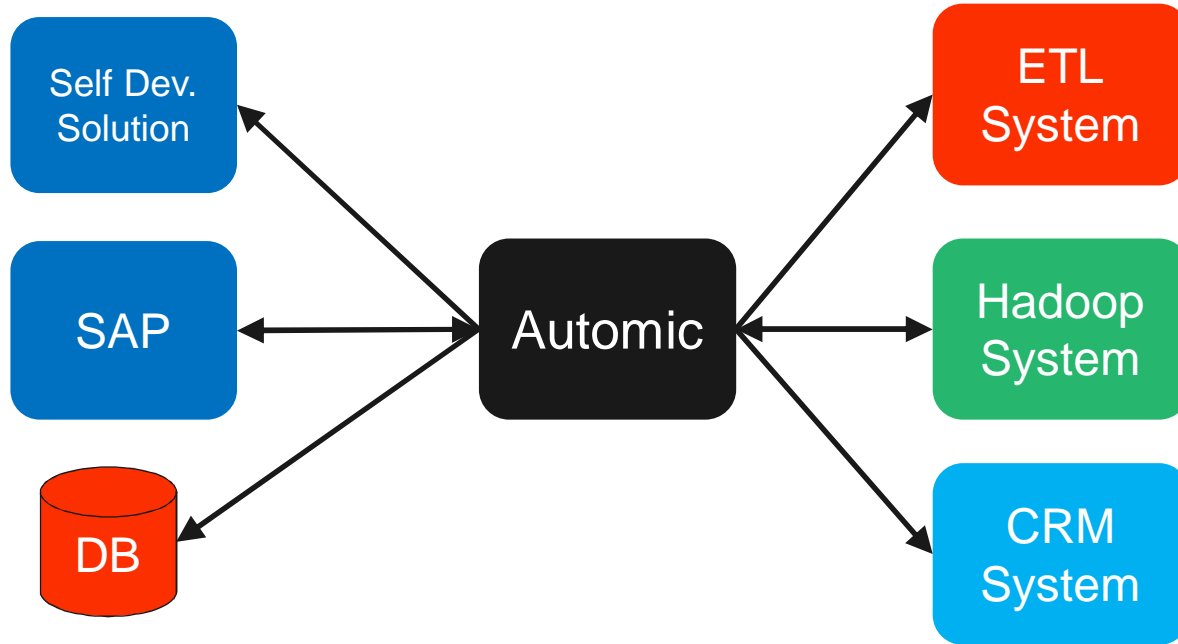
Few words about MapReduce

The overall MapReduce word count process



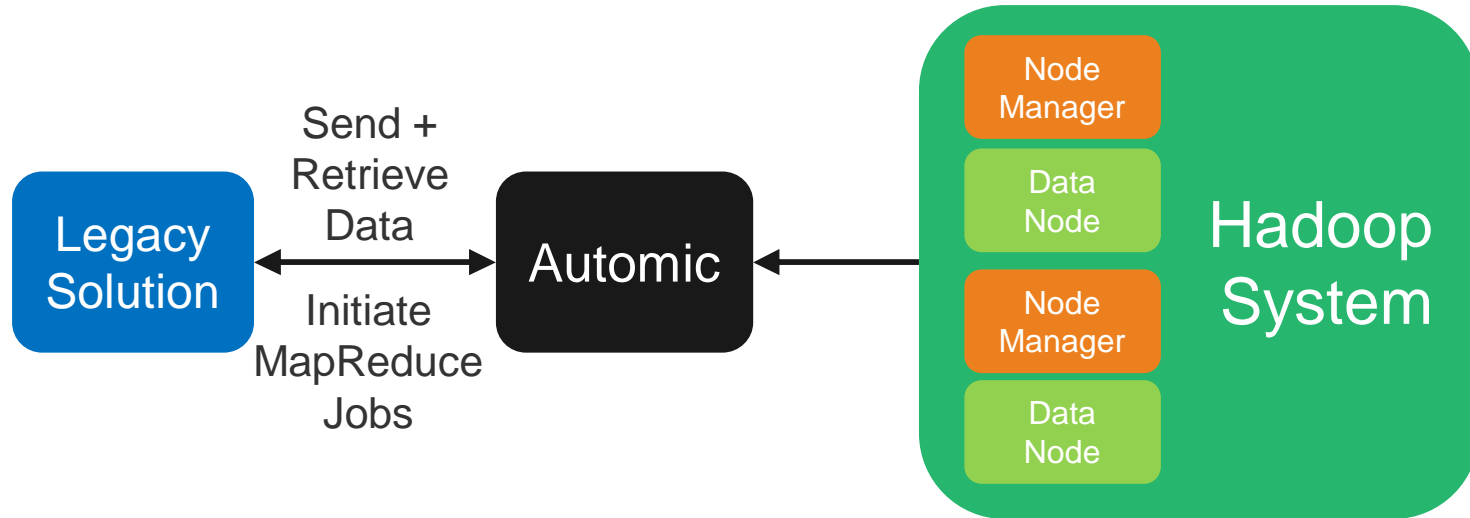
Use Case: Integrates Hadoop in the system environment

- Automic as Orchestrator for all available solutions



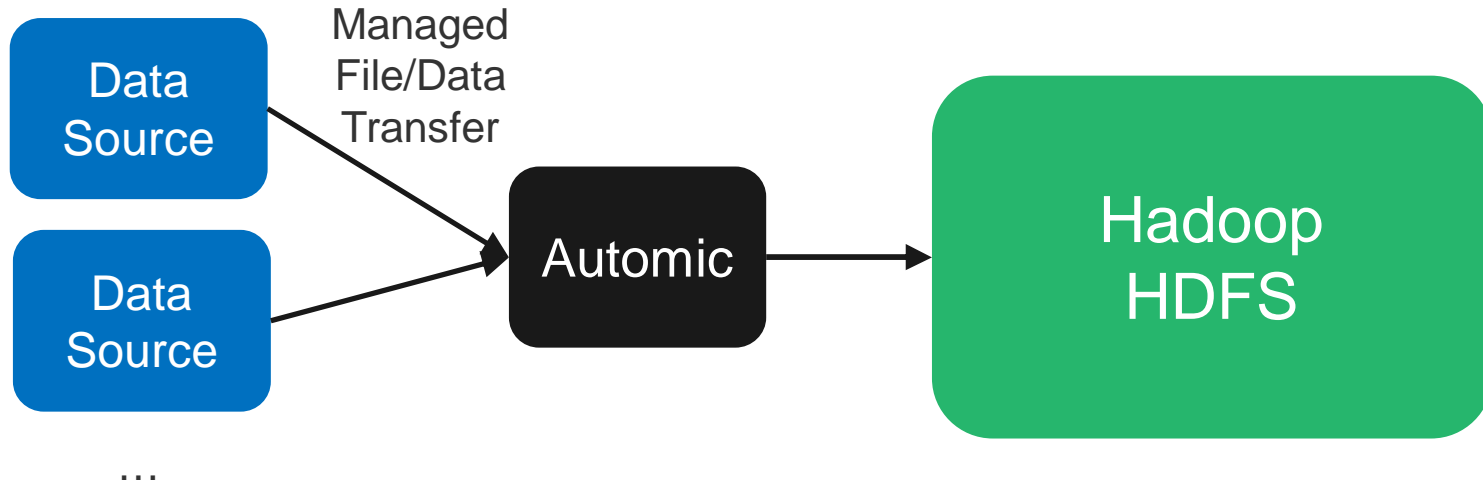
Use Case: Hadoop Interface for Legacy Solutions

- Enable legacy solutions to read and write data in Hadoop



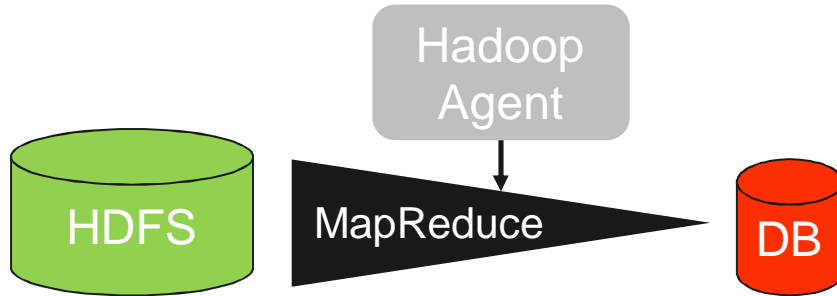
Use Case: Intelligent Data Pump for Hadoop

- Automic transfers data/files from distributed systems to Hadoop HDFS



Customer Example: Candy Crush

- Over 10+ billion transactions a day
- Each move, win, loss, purchase, etc.
 - all tracked and associated with your phone/you
- 800 GB a day, into flat files into HDFS Storage
 - Need to be reduced in order to store the relevant data in RMDBS



Automic Hadoop Agent

Introducing the Hadoop Agent features

June 2015

JMS Agent

Automic Workload Automation

Which JMS/ESB Solutions are supported?



all JMS Standard
compliant systems

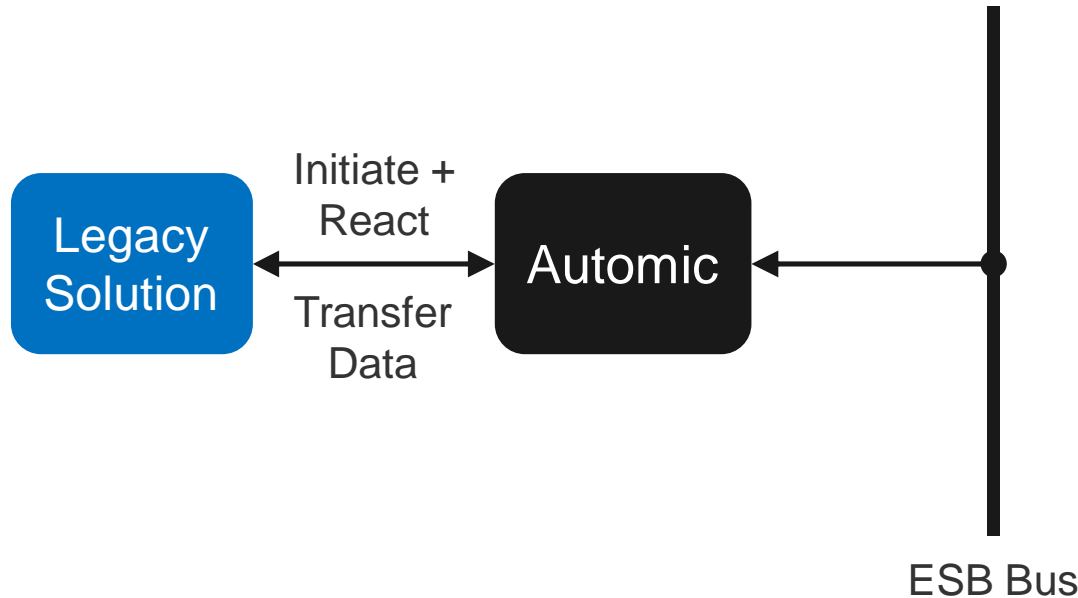


Processing capabilities for Message Payloads

- Toolset to process and analyze the message payload
 - XML – XPath/XQuery + Groovy
 - JSON – JSONPath + Groovy
 - Regular Expressions + Groovy for YAML and Text messages
- STREAM, Byte und MAP are also supported
- Tested with message payload of 300 MB

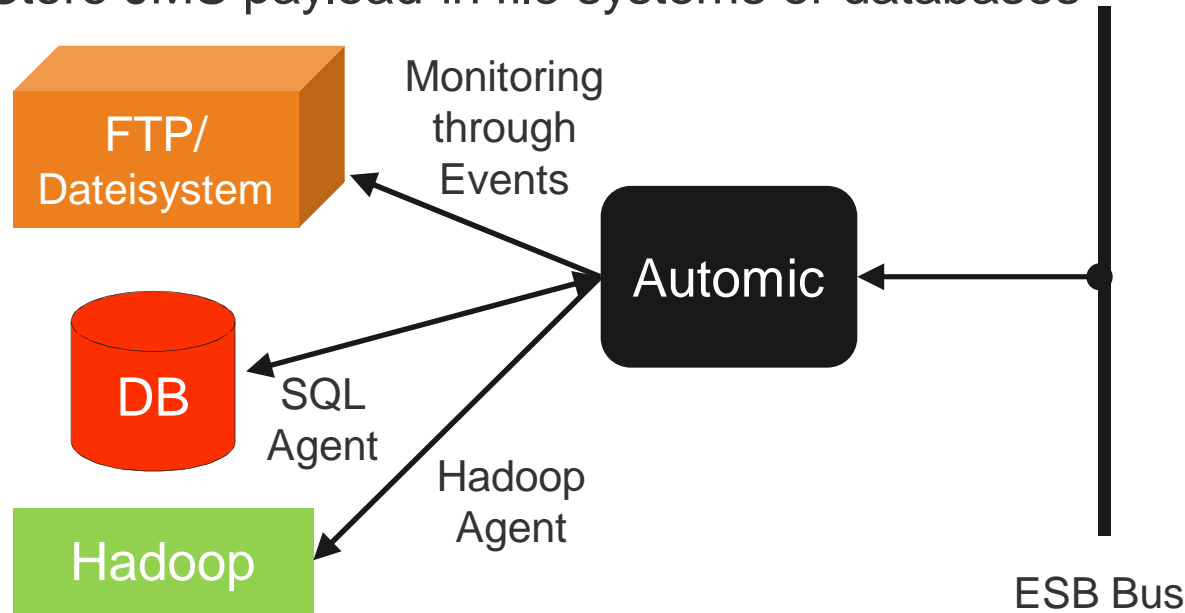
Use Case: Connecting Systems without ESB Interface

- Easy way to attach non ESB Bus enabled solutions



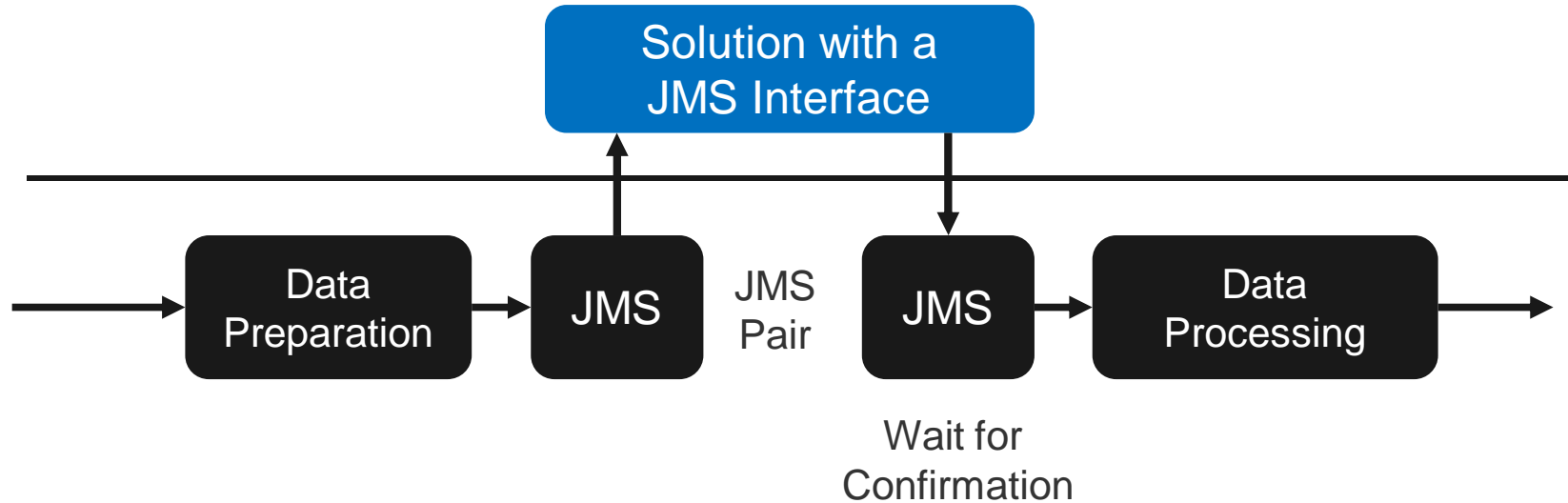
Use Case: Attaching FTP and Databases

- Create JMS payload from file systems, FTP or database data
- Store JMS payload in file systems or databases



Use Case: Integrating JMS enabled solution in Automic

- Workflow consists of JMS jobs and other (ERP) jobs



Use Case: Connecting on a Java/.Net Application Server

- Web services have their limits in handling asynchronous communication
 - Requests which take very long time to finalize
- JMS Messages advantage
 - Traceable– Each of JMS Message get recorded
 - Message are assigned to Topics and Queues
 - Automic reads the message -> no fire and forget
 - No polling for status updates necessary.
- JMS processes are tracked by the Automic

JMS Agent

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Q & A

Thanks for your attention