Control-M for Hadoop

With Control-M for Hadoop, you can simplify and automate Hadoop batch processing for faster implementation and more accurate big-data analytics. It takes the complexity out of Hadoop management, accelerating implementation and delivering more accurate results.

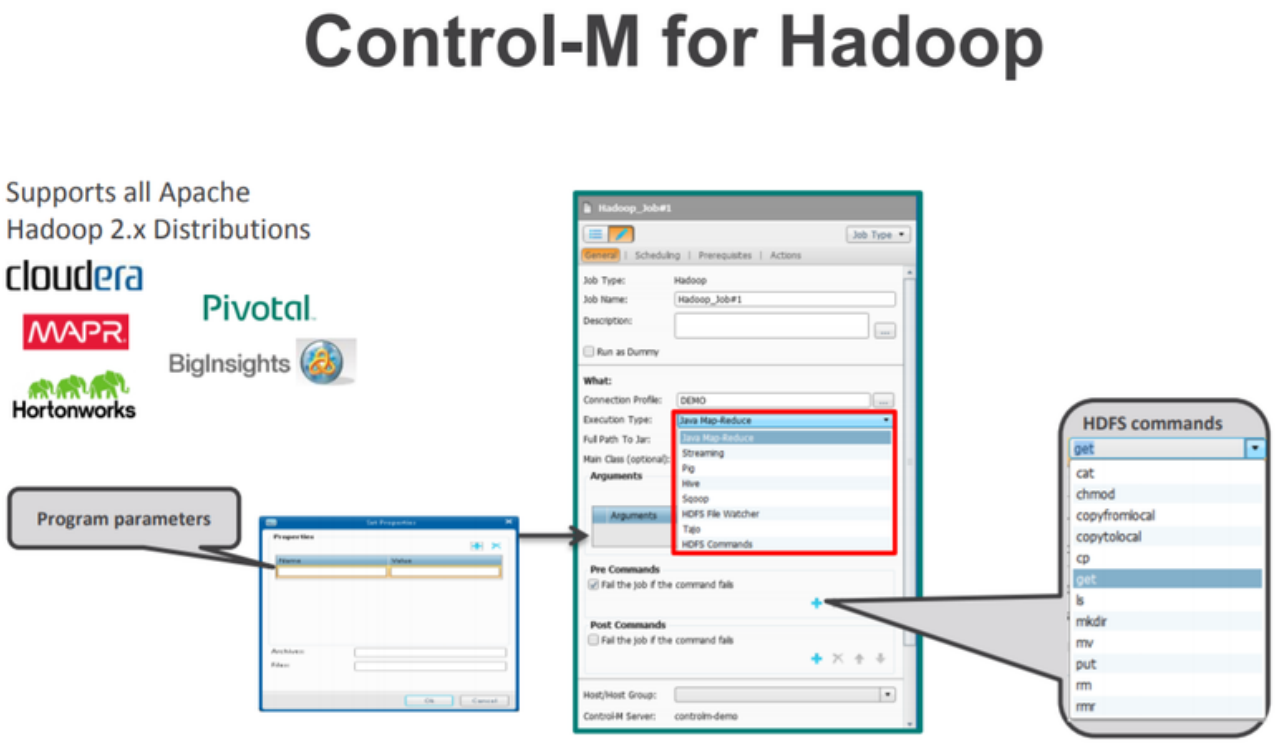
KEY FEATURES

- Control-M for Hadoop simplifies workflow creation and management.
- Familiar interface – Manage Hadoop workloads through a simple drag-and-drop interface that provides universal visibility and control for all enterprise workloads
- Flexible ecosystem support – Apache® Spark™ , Apache® Oozie™ , Apache® DistCP® , Apache® Impala, and other jobs can all run through Control-M for Hadoop
- Increased availability – The co-location requirement for IBM® CICS® /IBM® DB2® , CICS/ IBM® IMS™ DB, IMS TM/DB2 is no longer an issue, allowing data access calls to be redirected upon a DB2 or IMS system failure and increasing availability
- Improved reliability – Detects and prevents potential problems with forecasting features and predictive analytics; restarts can be attempted automatically without requiring human intervention

KEY BENEFITS

- Makes implementation fast and accurate by replacing manual scripting with automated workflow management and data integration, dramatically shortening development time, preventing coding errors, and reducing time-to-value
- Improves business focus instead of spending time building connectors and coordinating multiple tools.

Product Overview



Implementation Steps

- Agent 64 bit: Install Control-M for Hadoop 8.0.00 + Fix Pack 1 + latest patch available
- WLA Client/Server: Install Hadoop plugin and update forms
- CCM: Configuration Management + Connection Profile Management

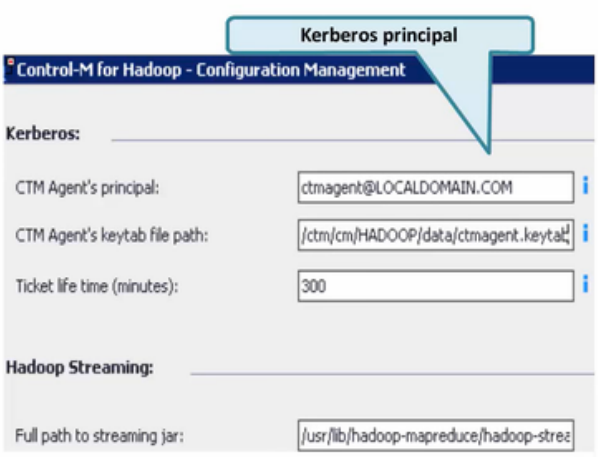
Kerberos Configuration

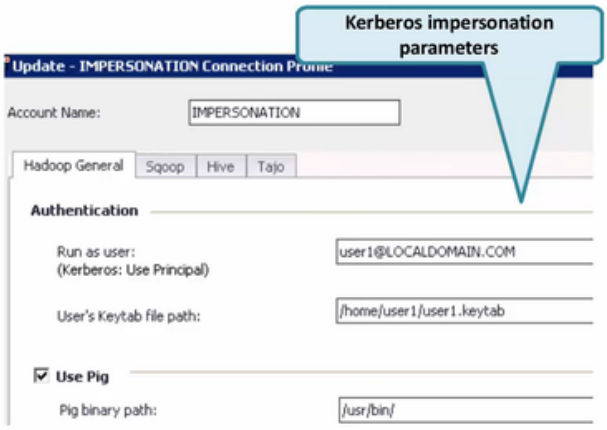
- Create Kerberos Principal for the Control-M/Agent keytab file
  - kadmin -q "addprinc -randkey ctmagent@LOCALDOMAIN.COM“
  - kadmin -q "ktadd -k /home/ctmagent/ctmagent.keytab ctmagent@LOCALDOMAIN.COM“
- Using Impersonation
  - Create Kerberos Principal and Kerberos keytab file for the target user
  - Create .k5login file in the target user’s home directory.
  - Configure Control-M agent as a proxy user
    - Add to the core-site.xml file the following properties

```
<property>
<name>hadoop.proxyuser.ctmagent.hosts</name>
<value>*</value>
</property>
<property>
<name>hadoop.proxyuser.ctmagent.groups</name>
<value>*</value>
</property>
```

    - Not required in MapR distribution for Hadoop

Configuration





Job Details