WindowsProblems

Problems running Hadoop on Windows

Hadoop requires native libraries on Windows to work properly -that includes to access the `file://` filesystem, where Hadoop uses some Windows APIs to implement posix-like file access permissions.

This is implemented in `HADOOP.DLL` and `WINUTILS.EXE`.

In particular, `%HADOOP_HOME%\BIN\WINUTILS.EXE` must be locatable.

If it is not, Hadoop or an application built on top of Hadoop will fail.

How to fix a missing WINUTILS.EXE

You can fix this problem in two ways

1. Install a full native windows Hadoop version. The ASF does not currently (September 2015) release such a version; releases are available externally.
2. Or: get the `WINUTILS.EXE` binary from a Hadoop redistribution. There is a repository of this for some Hadoop versions on github.

Then

1. Set the environment variable `%HADOOP_HOME%` to point to the directory above the `BIN` dir containing `WINUTILS.EXE`.
2. Or: run the Java process with the system property `hadoop.home.dir` set to the home directory.