3 Ideal Situations for Apache Spark Development Use

No one development environment is right for every software development project. The Apache Development environment provides numerous benefits for many types of projects. In our previous article, entitled, '*Four Important Advantages of Apache Spark',* we discuss some important advantages of the Apache Spark development option.

In this article, we highlight three situations in which it would make sense to choose Apache Spark Application Development as the appropriate framework for an application development project.

'There are specific situations and projects that will align well with Apache Spark, and its capabilities and offer the business opportunities for features and functionality provided by the Spark development environment.'

Here are three situations in which application developers will want to consider Spark development as the appropriate choice:

Complex or Large Work Teams–For large complex projects and teams, the business may require developers, programmers, BI team members, data scientists and data engineers (among others). For larger teams, the Apache Spark unified development platform provides

notebooks and tools that allow your team to work well together and to document the work for reference and project management purposes.

Big Data and Cloud Considerations–If your project involves the incorporation of Big Data and a need to operate in the Cloud, the Apache Spark development environment is well suited to support your initiative. Spark allows the team to leverage the possibilities of each technology, e.g., Azure, AWS etc. in the Apache Data Lake environment to manage and organization processing and storage.

Streaming and Batch Processing - If you are contemplating a project that requires batch and real-time processing, the Apache Spark environment will suit your team well. Apache Spark provides a foundational set of libraries that will help you manage these tasks without the need for a tool to support each type of task.

There are other situations and projects that will align well with Apache Spark but this list of three will give you an idea of the capabilities and opportunities provided by the Spark development environment.

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