

Deployment Recommendation Service

BigDataStack Software Component developed by University of Glasgow

This component is designed to produce a recommended deployment configuration from amongst a series of options (candidate deployment patterns). In effect, it aims to estimate how resources allocated to each service will impact factors the user cares about, such as quality of service or cost, and uses that information to decide how much resourcing an application needs to perform effectively and efficiently.

Input

Candidate Deployment Patterns
with Benchmarking Information

Output

One or more recommended
candidate deployment patterns

Initial TRL

TRL 1

Final TRL

TRL 5

End Users

Application Engineers

Deployment Recommendation Service

Key Features and Benefits

Allows for automated specification of application resources in cases where the user does not know the performance profile of their application.

Essential Information for Users

Service is dependent on components higher in the stack, namely: Dimensioning Workbench, Pattern Generation, Data Tool-kit and Process Modeller.

Implementation in BigDataStack Use Cases

All use-cases that may need deployment assistance. It is envisaged that the Connected Consumer use case will be the most benefited by the technology.

Differentiators from competitors in the market

Not yet clear