

WHAT IS CLAIMED IS:

1. A system that implements an orchestration engine in a software platform environment, the system comprising:
 - an electronic input configured to receive an input configuration file via a web layer;
 - a database configured to communicate with a data access layer and further configured to store states, data and logs; and
 - an orchestration engine comprising a computer processor, the orchestration engine coupled to the electronic input and the database and further programmed to perform the steps of:
 - receiving deployment input data from the input configuration file;
 - initiating a deployment data enrichment process based on the deployment input data;
 - performing a pre-validation service that submits a pre-validation service invocation request and receives one or more validation results;
 - applying an operation execution that deploys an application and restarts a subset of software components;
 - performing a post-validation service of an entire infrastructure that submits a post-validation service invocation request and receives one or more validation results;
 - and
 - generating and providing, via an interactive interface, status relating to the deployment data enrichment process, wherein the interactive interface comprises a deployment status portion, a feed details portion, a deployment summary portion and a deployment history portion.

2. The system of claim 1, wherein the data access layer is configured to communicate with a service layer that executes one or more business services.
3. The system of claim 2, wherein the data access layer is configured to communicate with the web layer that executes the interactive interface that receives one or more inputs from a user.
4. The system of claim 1, wherein the deployment status portion comprises deployment stage progress.
5. The system of claim 4, wherein the deployment stage progress comprises process input and deployment agent restarts.
6. The system of claim 1, wherein the deployment summary portion comprises summary data relating to one or more operations.
7. The system of claim 1, wherein the deployment history portion comprises data relating to reference identifier, date, change identifier and status data.
8. The system of claim 1, wherein the orchestration engine is further programmed to perform the step of: collecting event log data.
9. The system of claim 1, wherein the orchestration engine is further programmed to

perform the step of: generating and transmitting one or more alerts to one or more impacted teams for intervention.

10. The system of claim 1, wherein the software platform environment is Splunk.

11. A method that implements an orchestration engine in a software platform environment, the method comprising the steps of:

receiving, via an electronic input, deployment input data from an input configuration file, wherein the electronic input is configured to receive an input configuration file via a web layer;

initiating, via an orchestration engine, a deployment data enrichment process based on the deployment input data, wherein the orchestration engine comprises a computer processor and is coupled to the electronic input and a database, wherein the database is configured to communicate with a data access layer and further configured to store states, data and logs;

performing a pre-validation service that submits a pre-validation service invocation request and receives one or more validation results;

applying an operation execution that deploys an application and restarts a subset of software components;

performing a post-validation service of an entire infrastructure that submits a post-validation service invocation request and receives one or more validation results; and

generating and providing, via an interactive interface, status relating to the deployment data enrichment process, wherein the interactive interface comprises a deployment status portion, a feed details portion, a deployment summary portion and a deployment history portion.

12. The method of claim 11, wherein the data access layer is configured to communicate with a service layer that executes one or more business services.
13. The method of claim 12, wherein the data access layer is configured to communicate with a web layer that executes the interactive interface that receives one or more inputs from a user.
14. The method of claim 11, wherein the deployment status portion comprises deployment stage progress.
15. The method of claim 14, wherein the deployment stage progress comprises process input and deployment agent restarts.
16. The method of claim 11, wherein the deployment summary portion comprises summary data relating to one or more operations.
17. The method of claim 11, wherein the deployment history portion comprises data relating to reference identifier, date, change identifier and status data.
18. The method of claim 11, further comprising the step of: collecting event log data.
19. The method of claim 11, further comprising the step of: generating and transmitting one or more alerts to one or more impacted teams for intervention.

20. The method of claim 11, wherein the software platform environment is Splunk.