

PROFESSIONAL SERVICES

Core Confluent Platform Deployment

Engagement Objectives

Confluent will work with your team to validate and size your infrastructure before deploying a cluster in your development and or pre-production environment. Our Professional Services expert will deploy according to best practices, and your functional and technical needs, accelerating your time to value.

Benefits

- Confluent validation of infrastructure and sizing
- Deployment of the Confluent Platform in your environment
- Acceleration of build phase and time to value

Prerequisites

- One or more team members having completed the Apache Kafka® Administration by Confluent training
- Intended environment ready and accessible to Confluent, including hardware, networking, base OS installed and updated (detailed deployment prerequisites will be provided)
- Monitoring infrastructure up and running
- Operations, networking and security personnel available to help with issues

Who should attend?

- Operations staff responsible for an upcoming Kafka cluster deployment
- Architects

Engagement Location & Timing

1. Engagement provides up to 4 days of customer interaction
2. The sessions may be conducted on-site at the customer's premises, or via remote sessions

Engagement Activities

Pre-engagement survey and kickoff call

- Align on the engagement expectations and goals
- Preparation of the final agenda and list all prerequisites
- Confirm logistics

Engagement workshop (sample agenda)

- High level review of the overall architecture design of the deployment
- Confirm machine sizing, number, and type of drives, RAM, CPU, network
- Installation of Apache Kafka® cluster and Confluent components according to best-practices, using Ansible
- Configuration of basic security for the installation (only what is supported by Ansible out-of-the-box)
- Monitoring via Confluent Control Center, or expose basic metrics to your monitoring solution
- Basic benchmark to provide a baseline of performance

Knowledge Transfer and Documentation

Post-workshop, the Confluent expert will provide a peer-reviewed report with a written summary of their recommendations and the deployment, which may include:

1. An architectural design for your deployment
2. Design patterns and information around how to operate the deployed components
3. Best-practices regarding how to leverage the platform
4. Potential testing recommendations

Outcomes

- Confluent Platform deployed in your environment according to best-practices
- Summary report detailing any settings uniquely configured to the Customer's environment.

Out of Scope

Please note that activities not listed above are outside of the scope for this Core Platform Deployment engagement. For the sake of clarity the following items (non-exhaustive list) are not in scope. Such activities will be assessed during the preparation and scoping for this engagement. Additional activities like listed below can be of course included either in a separate, follow-on engagement or during a Resident Solution Architect engagement (RSA):

- Assistance with more than one environment and/or deployment
- Multi data-center deployment and Disaster Recovery plans and tests
- Advanced security for the Confluent Platform, e.g. Role-Based Access Control (RBAC)
- Realization of ad-hoc monitoring dashboard and alerts configuration
- Deployment of certain additional components: REST Proxy, ksqlDB, Connectors
- Deployments using tools other than Ansible, for example, Kubernetes, Salt, etc.
- Deployment of a self-service platform, e.g. Kafka as a Service and the definition of data governance processes

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