

PROFESSIONAL SERVICES

Core Confluent Platform Deployment

Engagement Objectives

Confluent has gathered best practices in cluster deployment from across the hundreds of organizations with whom we have worked. In our deployment engagement, we deploy a cluster in your development and or pre-production environment according to our best practices and your functional and technical needs, helping to speed up your time to deploy and validate your production environment.

This engagement has a Confluent Professional Services Solutions Architect working with your relevant teams.

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 made 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

On-site at customer's premises, in a room with a whiteboard and a screen, or projector. May be conducted via remote sessions upon request.

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

Deployment of the platform

- Short review of the design of the overall architecture 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

Post-engagement reports

- Documentation about the deployed components and their configuration
- Information regarding usual maintenance operations

Knowledge Transfer

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 further testing recommendations

Outcomes

- Confluent Platform deployed in your environment according to best-practices
- Confluent peer-reviewed best practice recommendations report
- 4-day engagement
- Follow-up call to walk through the report

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

Terms & Conditions

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