Datadog Basics:

Datadog is a monitoring and analytics platform that provides observability into application and infrastructure.

Links to Datadog portal:

|  |  |  |
| --- | --- | --- |
| **NonProd (dev/qa/preprod)** | **Prod(prod)** |  |
| [https://lseg-corp-tech-nonprod.datadoghq.eu](https://lseg-corp-tech-nonprod.datadoghq.eu/) | [https://lseg-corp-tech-prod.datadoghq.eu](https://lseg-corp-tech-prod.datadoghq.eu/) | Mostly related to front end resources |
| [https://lseg-technology-nonprod.datadoghq.eu](https://lseg-technology-nonprod.datadoghq.eu/infrastructure/map) | [https://lseg-technology-prod.datadoghq.eu](https://lseg-technology-prod.datadoghq.eu/) | Mostly related to backend resources |

Key features of Datadog:

* Integration: Datadog offers a broad ecosystem of integrations with popular tools and services across cloud providers (aws, azure etc...), container platforms like docker, DevOps tools like Jenkins, Nexus etc.…, Kubernetes and so on
* Metrics: Datadog offers real-time monitoring of applications, infrastructure, and services, ensuring visibility into performance and security.

Benefits:

* + - * Real-time metrics collection
      * Custom metrics
      * Metrics for integration
      * Visualization and alerting
* Logs: Datadog offers centralized log management and analytics

Benefits:

* + - * Centralized Log Management
      * Log based metric.
      * Powerful search and filter capabilities
* **Dashboarding**: Datadog offers customizable dashboards where users can visualize metrics, logs, and traces in real-time.

Benefits:

* + - * Customizable Dashboards
      * Templates and widgets
      * Notebooks and shared views for collaboration
* **Application Performance Monitoring (APM)**: Tracking application performance metrics, diagnosing issues, and improving user experience.

Benefits:

* + - * E2E application tracking
      * Error tracking and resolution
      * Performance bottleneck identification
* **Database monitoring:**

Benefits:

* + - * Supports multiple databases.
      * Database health metrics
      * Query performance tracking.
      * Anomaly detection