A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

A "**unified schema**" refers to a standardized data structure that combines information from multiple sources, creating a consistent view of data by harmonizing attributes and field names, allowing for easier analysis and integration across different systems, essentially presenting a single, unified picture of the data despite its origin from various sources; it essentially acts as a common language for data from diverse systems

A "**framework**" in software is a pre-built structure or platform that provides a foundation for developers to build applications upon, essentially offering a set of tools, libraries, and guidelines to streamline the development process by providing a basic working system that can be customized to create specific applications; think of it as a template that can be modified and extended with additional code to fit specific needs.

Key points about software frameworks:

* **Structure and organization:**

Frameworks provide a structured way to organize code, often with defined components and interactions between them.

* **Reusable code:**

They include pre-written code modules (libraries) that developers can reuse to perform common tasks, reducing development time.

* **Customization:**

While providing a base structure, frameworks allow developers to add their own specific functionality and logic to fit the application requirements.

Examples of software frameworks:

* **Web development frameworks:** React, Angular, Django, Laravel
* **Mobile development frameworks:** Flutter, Xamarin, Ionic
* **Testing frameworks:** JUnit, Pytest

**The Elastic Common Schema (ECS)** is an open-source specification that defines a common set of fields for storing event data in Elasticsearch. ECS helps users analyze, visualize, and correlate data from different sources.

How does ECS work?

* Specifies field names and datatypes
* Groups fields into levels to indicate how often a field is expected to be present
* Provides naming guidelines for custom fields
* Unifies all modes of analysis available in Elastic

What's ECS used for? Logging, Metrics, Improving uniformity of event data, Supporting uniform data modeling, and Enabling centralized analysis of data from diverse sources.

What types of fields are included in ECS?

* Data stream fields
* Destination fields
* Device fields
* Operating system fields
* Package fields
* Process fields
* Registry fields
* Event fields
* Geo fields

A blue background with white text

AI-generated content may be incorrect.

In software, "**RUM" stands for "Real User Monitoring**," which refers to a process that tracks and analyzes how real users interact with a website or application, providing insights into the performance and user experience from the perspective of actual users navigating the platform in real-time.

Key points about RUM:

* **Data collection:**

RUM collects data directly from users' browsers through small JavaScript snippets embedded in web pages, capturing metrics like page load times, network requests, and user interactions.

* **Benefits:**

By analyzing this data, developers can identify performance bottlenecks, understand user behavior, and pinpoint areas for improvement to optimize the overall user experience.

* **Contrast with synthetic monitoring:**

Unlike synthetic monitoring, which simulates user interactions, RUM provides real-world data from actual users.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A diagram of a cloud computing system

AI-generated content may be incorrect.

A diagram of a cell phone

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A diagram of a phone

AI-generated content may be incorrect.