**What is the Architecture of Prometheus Monitoring?**

**What are the Features of Prometheus?**

**What are the Components of Prometheus?**

**What database is used by Prometheus?**

**What is the default data retention period in Prometheus?**

**The Prometheus architecture makes it easier to find and scrape targets that produce the necessary data. A company's instrumented applications or a third-party application could be the target. The scraped data is stored in Prometheus, where you can use the Prometheus Query Language to examine it (PromQL).**

**A flexible query language to take advantage of this dimensionality is PromQL. No dependency on distributed storage; individual server nodes are independent. A pull model over HTTP is used for time series collection. An intermediary gateway is supported for pushing time series.**

**There are four types of metrics collected by Prometheus as part of its exposition format:**

**Counters**

**Gauges**

**Histograms**

**Summaries**

**Prometheus has a sophisticated local storage subsystem. For indexes, it uses LevelDB. For the bulk sample data, it has its own custom storage layer, which organizes sample data in chunks of constant size (1024 bytes payload). These chunks are then stored on disk in one file per time series.**

**By default, the data retention by Prometheus is configured to 15 days.**