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## 1. Core Datadog Concepts

- Understanding scopes, aggregation (space/time), and query functions
  - Unified Service Map (USM)
  - Identifying valid tag formats
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## 2. Agent Setup & Configuration

- Required fields in the Agent config yaml file
  - Agent hostname priority.
  - How often Agent config updates are reflected in the Datadog UI.
  - Where to set log collection limits
  - agent installation steps per OS
  - crawler-based cloud integrations.
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## 3. Metrics & DogStatsD

- DogStatsD extensions beyond standard StatsD (e.g., tagging, service checks, histograms).
- Metric query building using scope, time, and space aggregation.
- Flush interval for DogStatsD
- Metrics intake port
- DogStatsD listening port
- StatsD namespace and tagging formats.



## 4. Monitoring & Alerts

- Monitor types (composite came up I believe)
  - Whether certain monitor actions generate events.
  - How alert notifications behave based on monitor settings.
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## 5. Logs & Log Management

- Setting log levels (e.g., debug).
  - Specifying log collection limits
  - Valid log tags and formatting for collection and filtering.
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## 6. Networking & System Basics

- CIDR notation (e.g., /24, /16) and checking if IPs are in the same subnet.
  - IP ranges within Datadog
  - data collection
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## 7. Infrastructure & Resource Monitoring

- Role of RAM & other storage
  - Something with high page faults came up
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## 8. API Keys & Authentication

- Role of the Datadog API key.
  - Datadog agent vs cloud providers.
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## 9. UI & Dashboards

- cloned dashboards & ootb dashboards

Component	Port	Protocol	Direction	Purpose
DogStatsD	8125	UDP	Inbound (to Agent)	Receives custom metrics via DogStatsD
APM (Trace Agent)	8126	TCP/HTTP	Inbound (to Agent)	Receives application traces
Custom Metrics Endpoint	5000	TCP/HTTP	Inbound (to App or Collector)	Often used by apps exposing metrics on <code>/metrics</code> (e.g., Prometheus or custom services)
Metrics & Logs Intake	443 / 10516	HTTPS	Outbound (from Agent)	Sends metrics, logs, traces to Datadog backend
Datadog GUI (Web UI)	443	HTTPS	Outbound (user browser)	Web access to Datadog platform

I also received this list from someone else before the exam and I remember a few of these showed up:

Ports

- \* Metric Query
  - \* Format
  - \* Metric query to select system.cpu.system with host tag NOT a,b,c
- \* Networks
  - \* Definition of throughput
  - \* Cloud Network Monitoring
  - \* What each section of an IP address means
  - \* Find IP pairs in the same subnet
- \* Agent debug
- \* Yaml config
- \* File structure
  - \* Where files should go
    - \* Checks/Config
- \* Agent cmds
- \* Which graph type
- \* Agent vs API Crawler integrations
- \* Flare info
  - \* What is a flare for
  - \* How do you create one
- \* Agent host naming priority
- \* Monitor Notification variables
- \* DogStatsD Flush Interval
- \* UDP vs TCP
- \* Log Levels

- \* 2 on this
- \* API Keys
  - \* Definitions
  - \* Default limits
- \* APP Keys
  - \* Definitions
- \* Dashboards
  - \* What is available when OOTB cloned
  - \* Template variable
- \* Where are the configs stored on a host installation