

DataPrime user guide

Welcome to the DataPrime **User Guide**. This guide helps you learn how to query and transform observability data using DataPrime, the Coralogix query language.

The guide is divided into two sections:

- **Foundations** introduces the core concepts and syntax of DataPrime. It explains how data is represented, how queries are composed, and how commands and expressions work together.
- **Using DataPrime** shows how to apply these concepts in practice. It provides patterns and examples for filtering, transforming, and aggregating data across logs, metrics, and traces.

Together, these sections provide both the basics and practical techniques you need to analyze data effectively with DataPrime.

Here's a quick look at the language in action:

```
source logs
| filter cloud_availability_zone != null
| groupby cloud_availability_zone as cloud_az
  aggregate distinct_count(host_name)
```

This query selects log data, filters events with a valid availability zone, groups them by zone, and counts the unique hosts in each group. Each command builds on the previous one, showing how queries move step by step from raw events to useful insights.

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