Acme Widget API — Architecture & Diagrams

System Overview
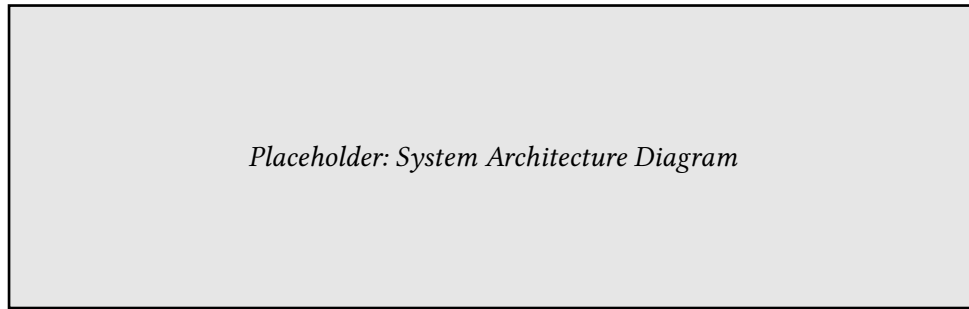

Placeholder: System Architecture Diagram

Figure 1: High-level architecture of the Acme Widget platform.

As shown in Figure 1, the platform consists of three layers: the API gateway, the widget engine, and the data store.

Request Flow
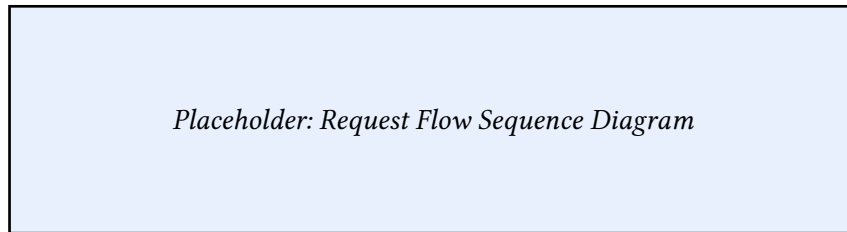

Placeholder: Request Flow Sequence Diagram

Figure 2: Sequence diagram showing a typical API request.

Figure 2 illustrates the path a request takes from the client through the gateway, into the widget engine, and back.

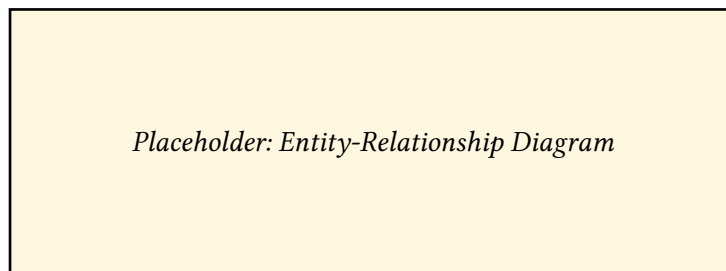## Data Model

Placeholder: Entity-Relationship Diagram

Figure 3: Entity-relationship diagram for the Widget data model.

The data model (Figure 3) centers on three entities: **Widget**, **WidgetVersion**, and **WidgetConfig**. Each widget can have multiple versions, and each version references a single config.
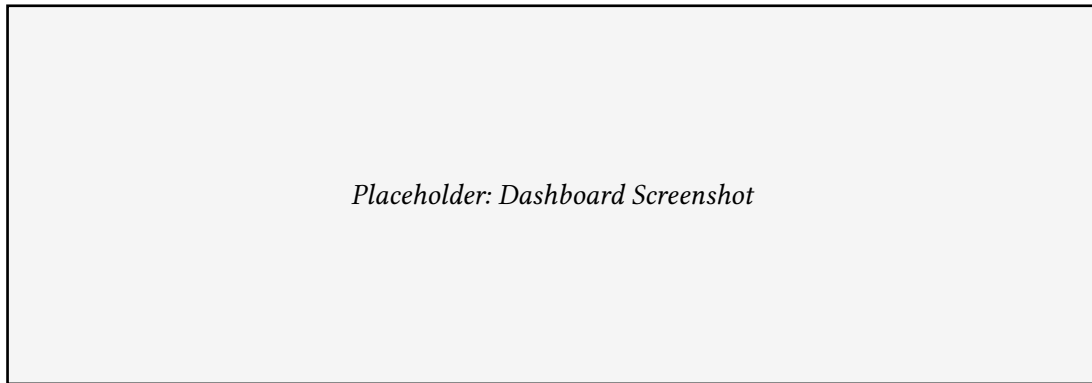
Dashboard Screenshot

Figure 4: The Acme developer dashboard showing widget metrics.

The developer dashboard (Figure 4) gives you real-time visibility into request volume, error rates, and latency percentiles.

Summary

This section covered four key diagrams:
1. The system architecture (Figure 1)
2. The request flow (Figure 2)
3. The data model (Figure 3)
4. The dashboard (Figure 4)