**Microsoft Azure - Resource Management & Fabric Controller Architecture**

* **Core Concept:** Users create multiple resources on Azure, which require management by "Resource Management Tools."
* **Key Components Illustrated:**
  1. **Orchestrator:**
     + Acts as a central coordination or management layer.
     + Interacts with the API and ultimately with the Fabric Controllers.
     + Likely responsible for deploying, managing, and scaling resources across the underlying infrastructure.
  2. **API (Application Programming Interface):**
     + Provides an interface for programmatic interaction with Azure services.
     + Allows the Orchestrator (and potentially other tools/users) to send commands and requests to Azure.
  3. **Azure Portal:**
     + The graphical user interface (GUI) through which users interact with Azure.
     + Visually represents the resources and services being managed.
  4. **Fabric Controller:**
     + The core component responsible for managing the underlying physical and virtual infrastructure (servers, storage, networking).
     + There appear to be multiple Fabric Controllers, suggesting redundancy and scalability.
     + Each Fabric Controller manages a set of "racks" or physical units, each containing various resources (indicated by different colored icons, possibly representing VMs, storage, network devices, etc.).
     + Receives instructions from the Orchestrator (via API) to provision, monitor, and maintain resources.
* **Workflow (Implied):**
  1. User interacts with the Azure Portal (or other tools) to request resources.
  2. The request goes through the API.
  3. The Orchestrator processes the request and communicates with the appropriate Fabric Controller(s).
  4. The Fabric Controller(s) then provision and manage the requested resources on the underlying hardware.
* **Overall Purpose:** This architecture demonstrates how Azure abstracts the complexity of the underlying infrastructure, allowing users to manage resources at a higher level through orchestration and APIs, with the Fabric Controllers handling the low-level infrastructure management.