

OpenStack

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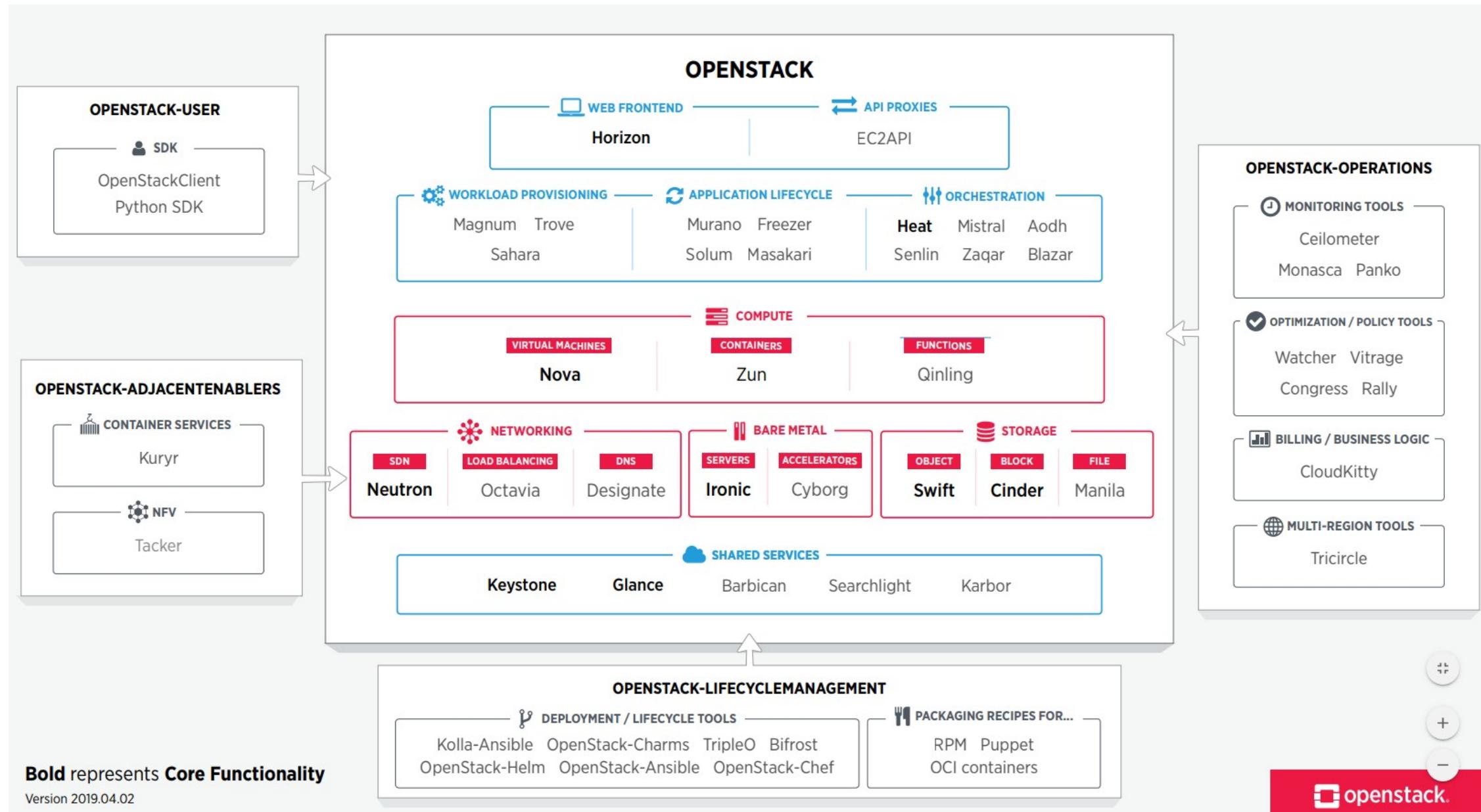
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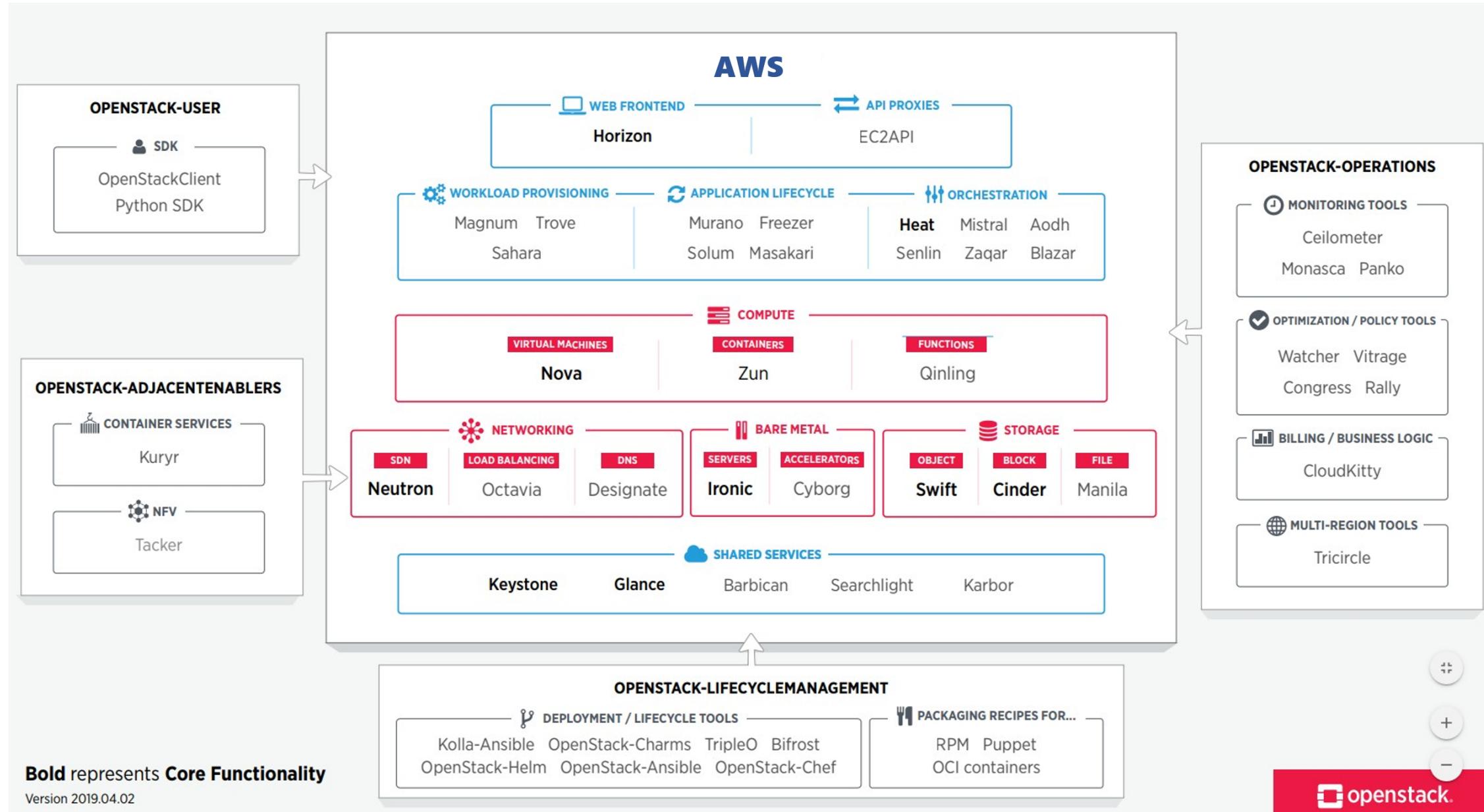
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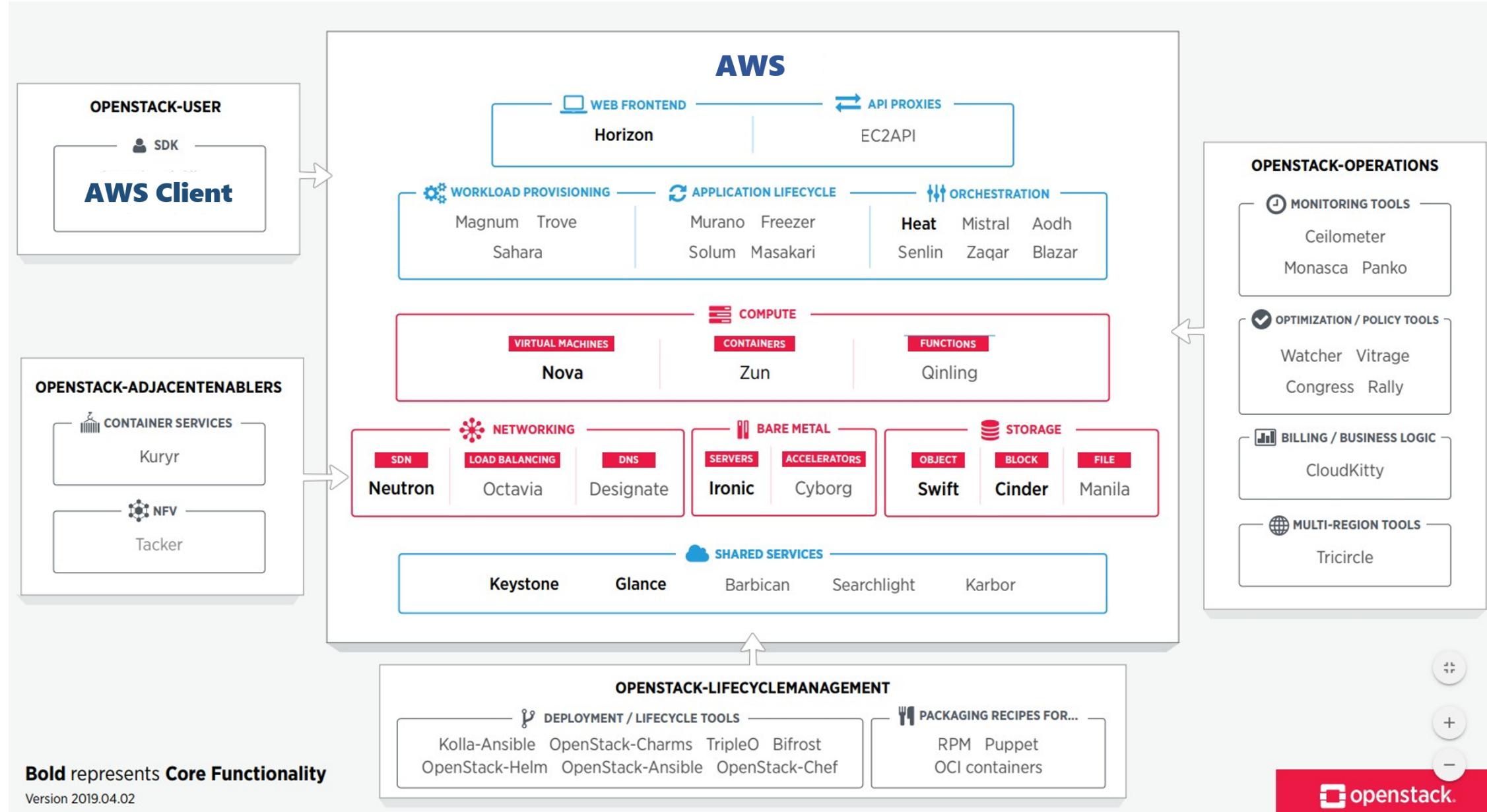
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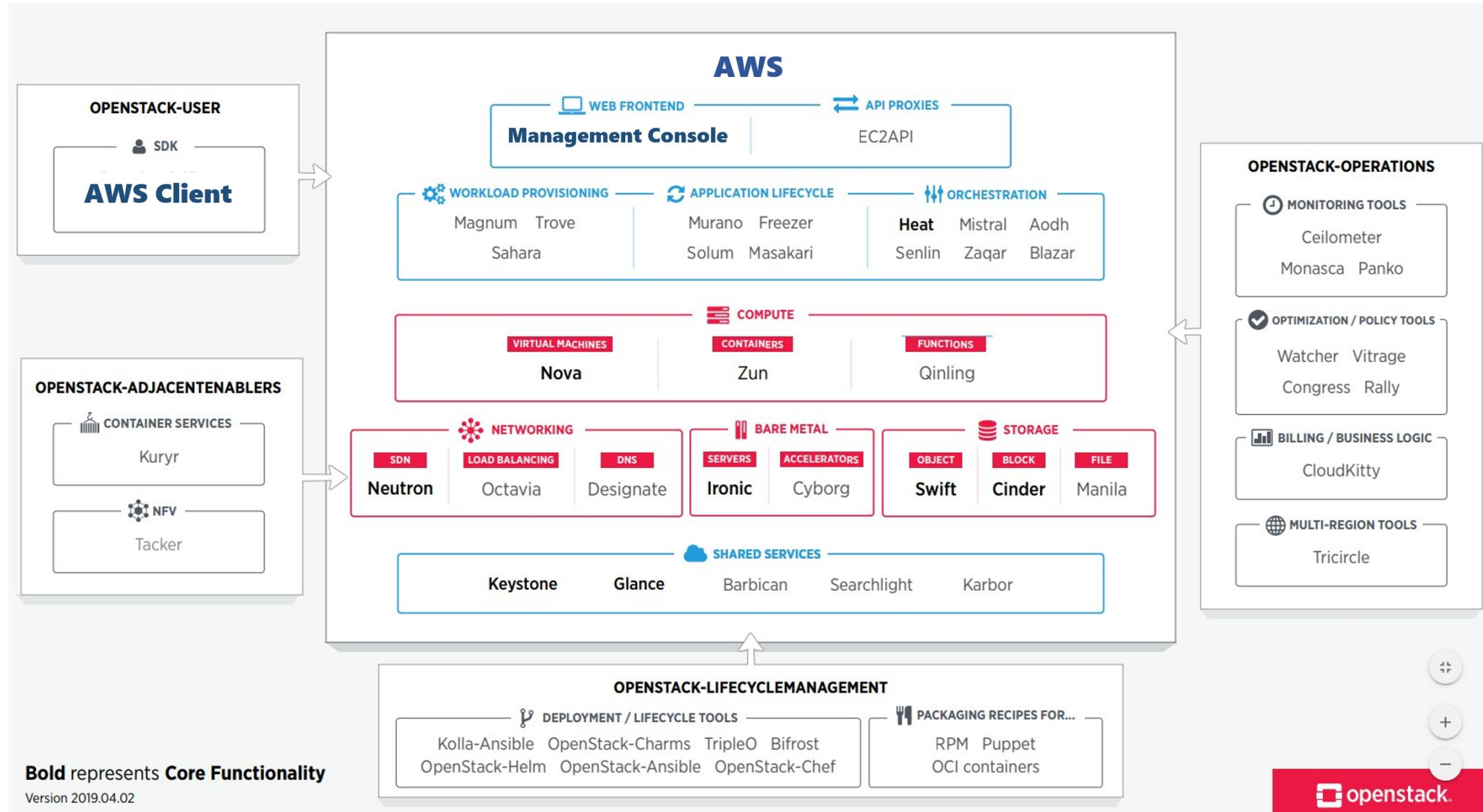
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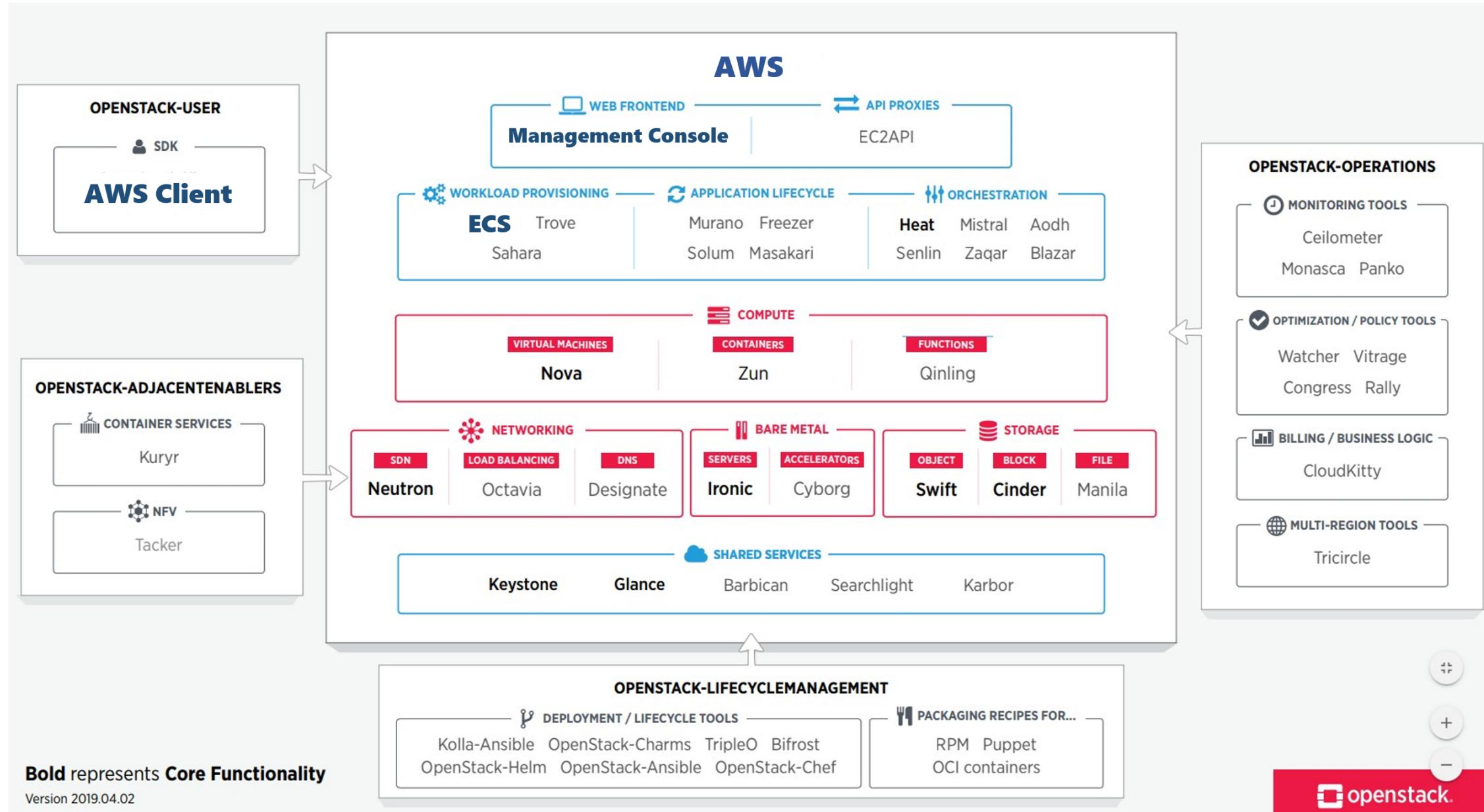
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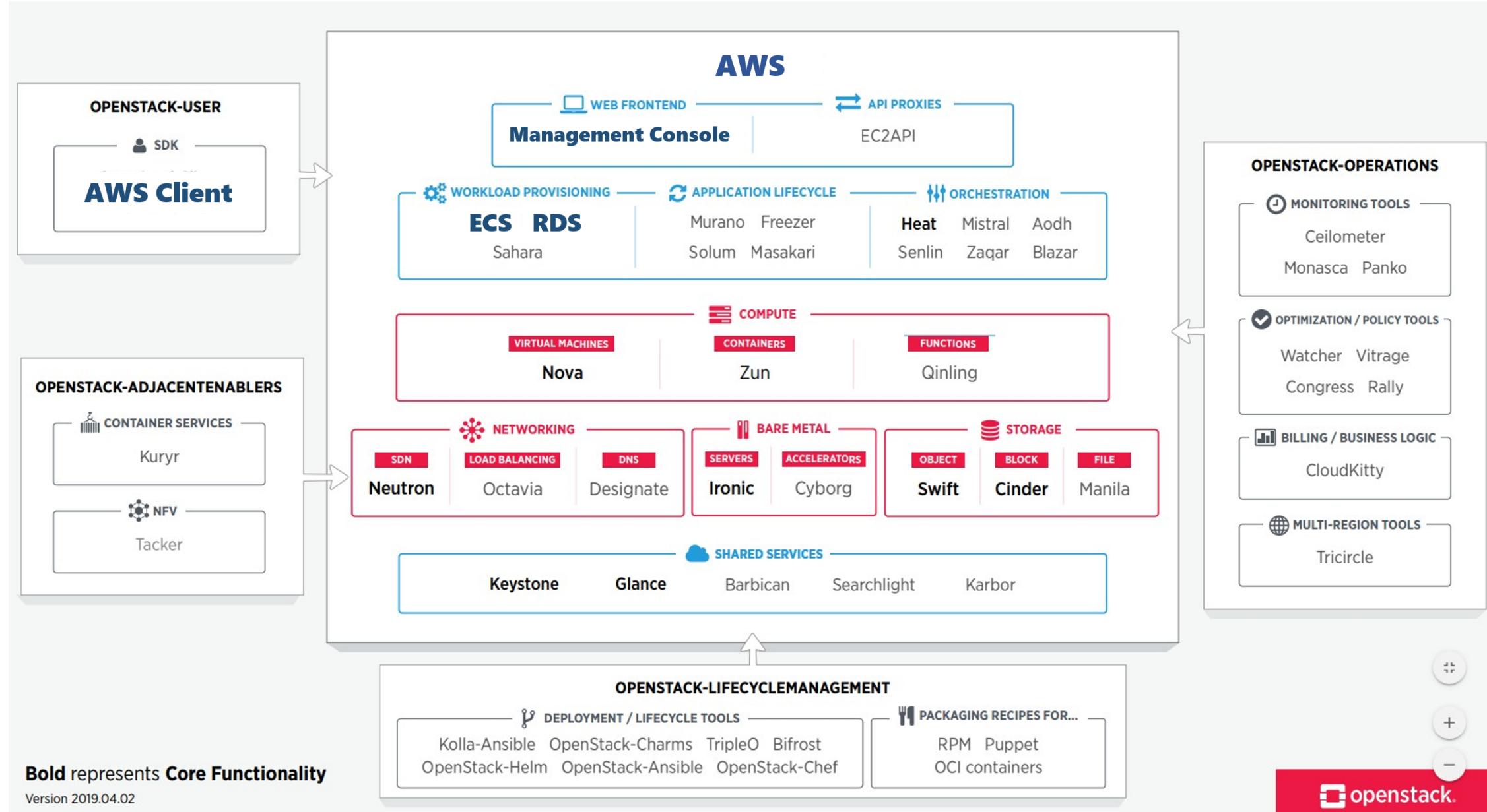
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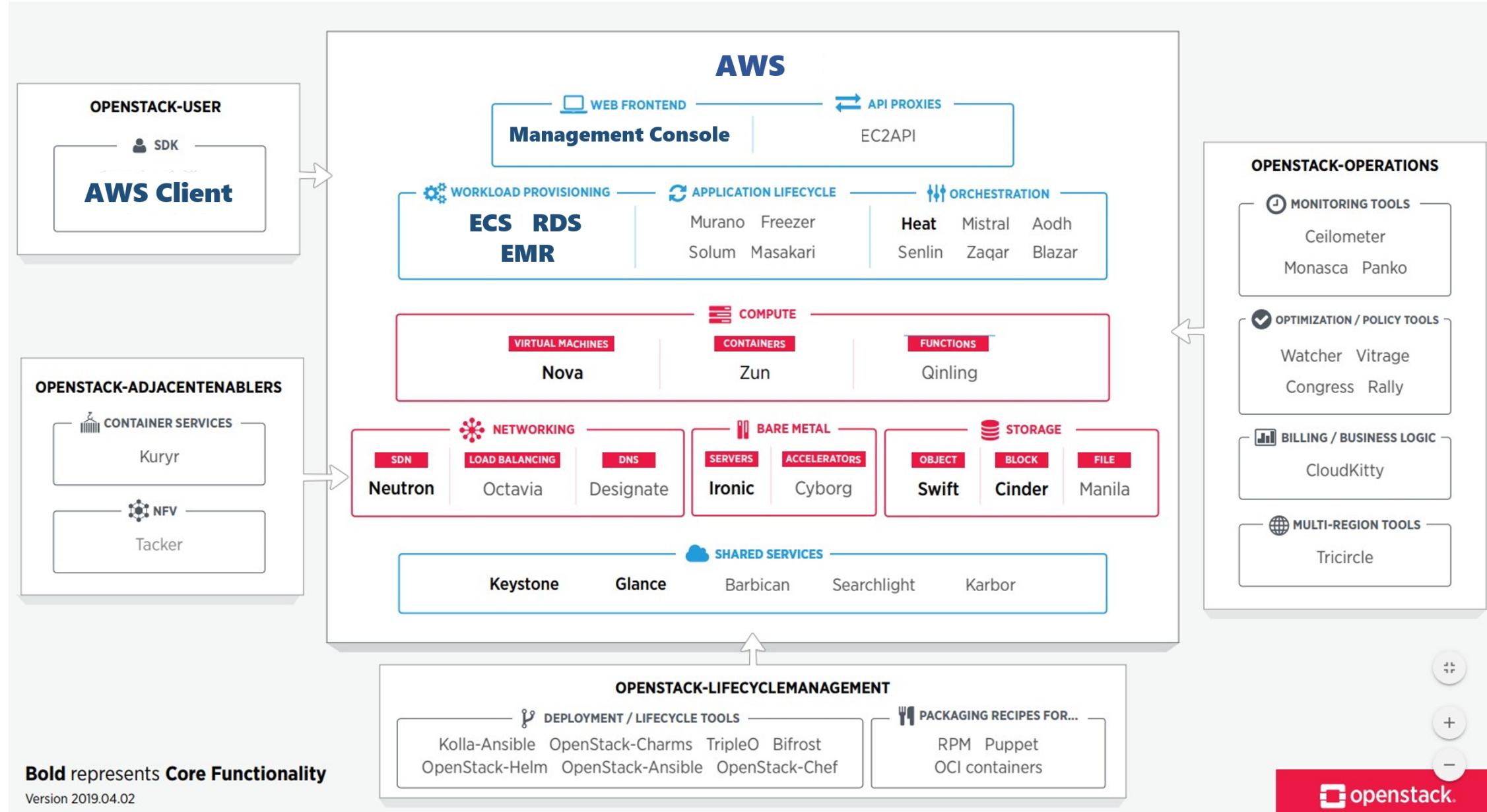
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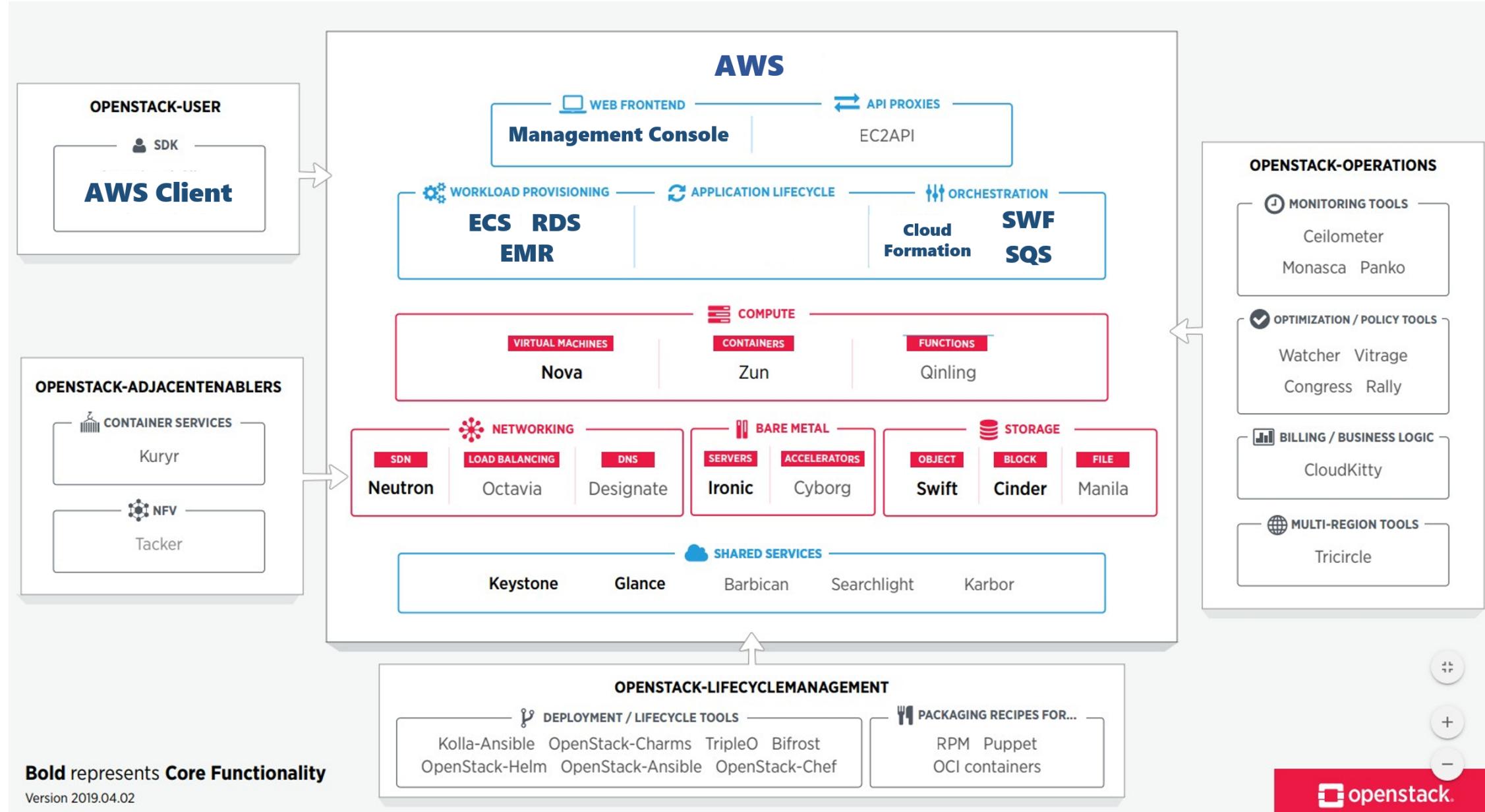
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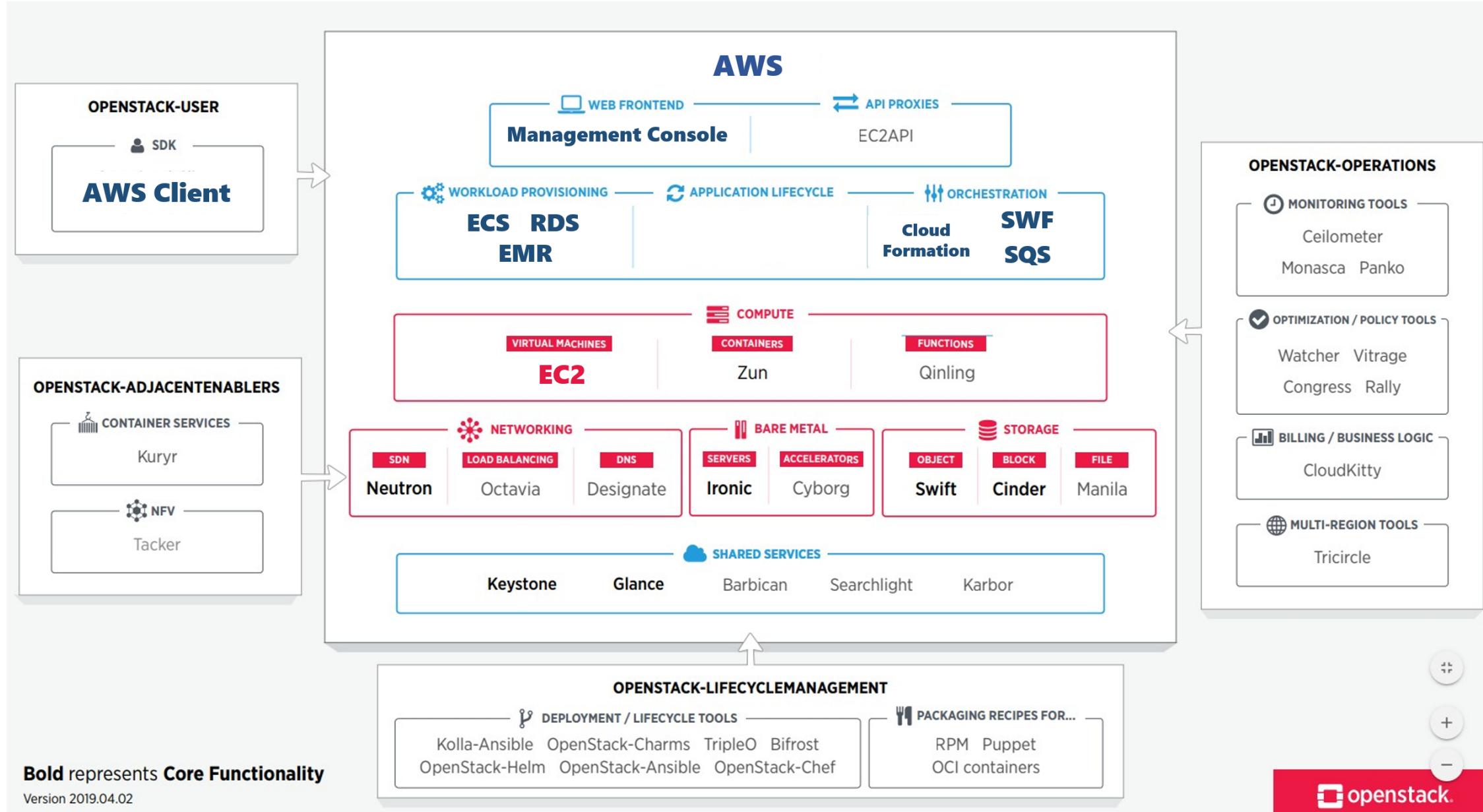
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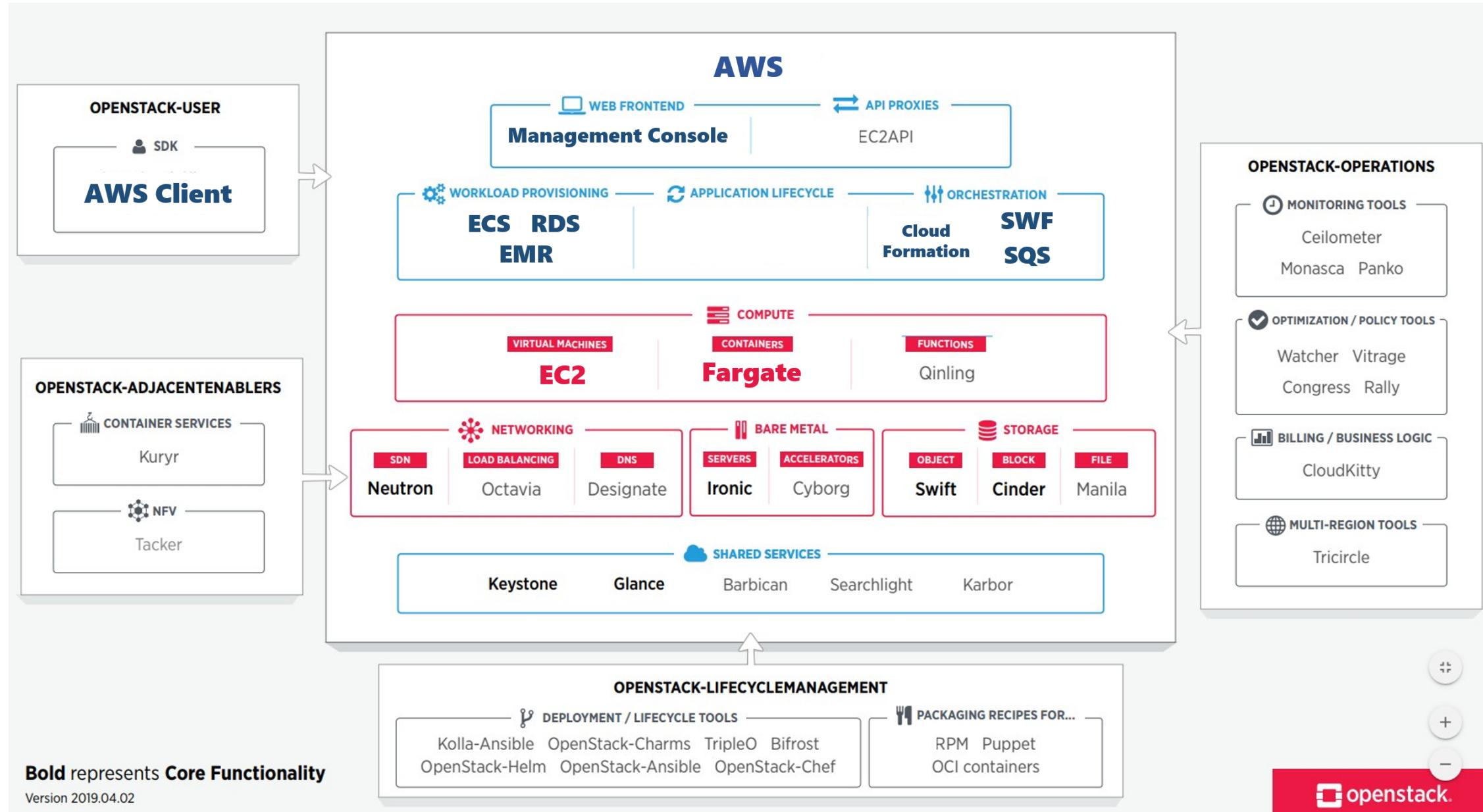
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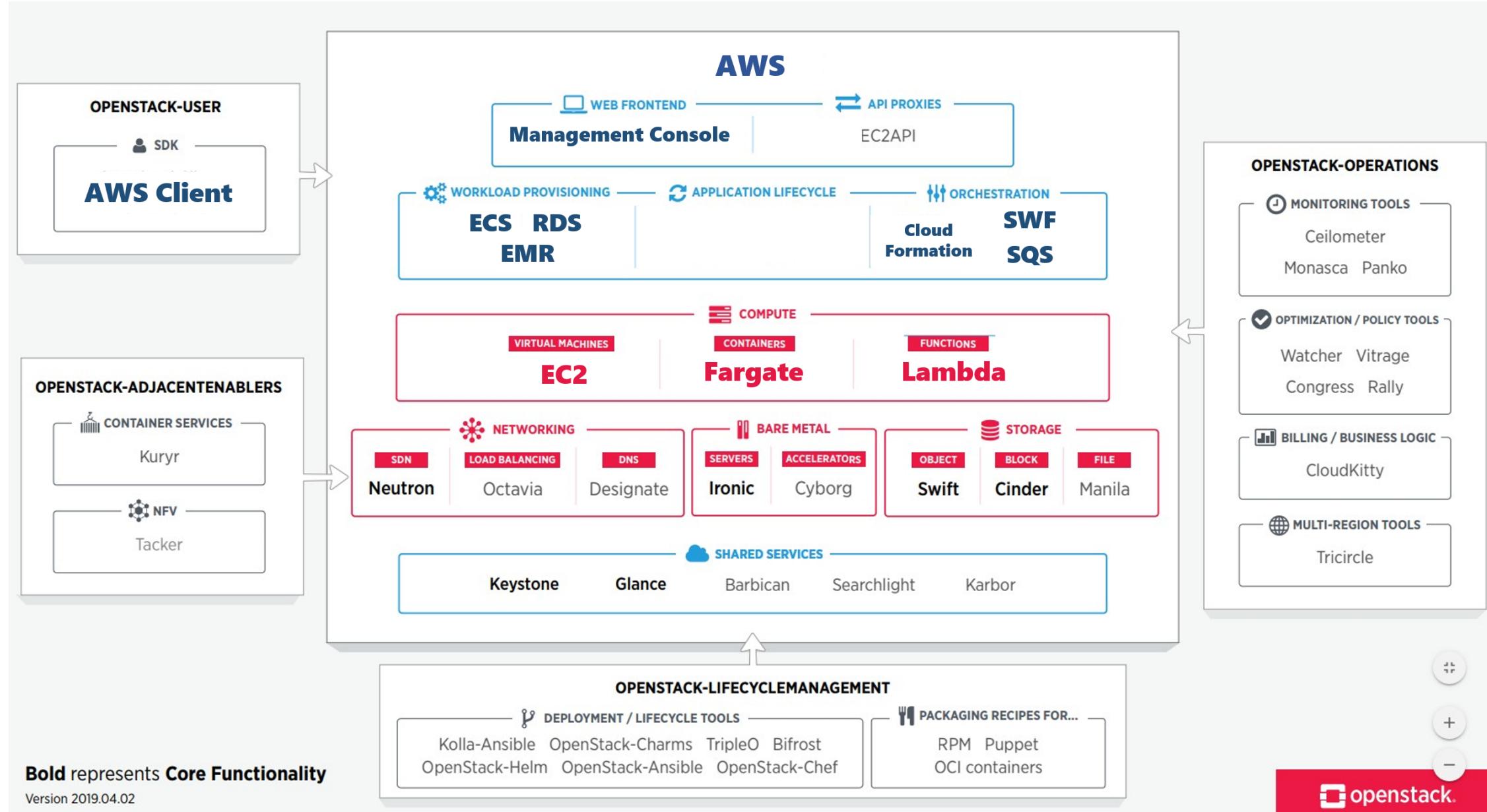
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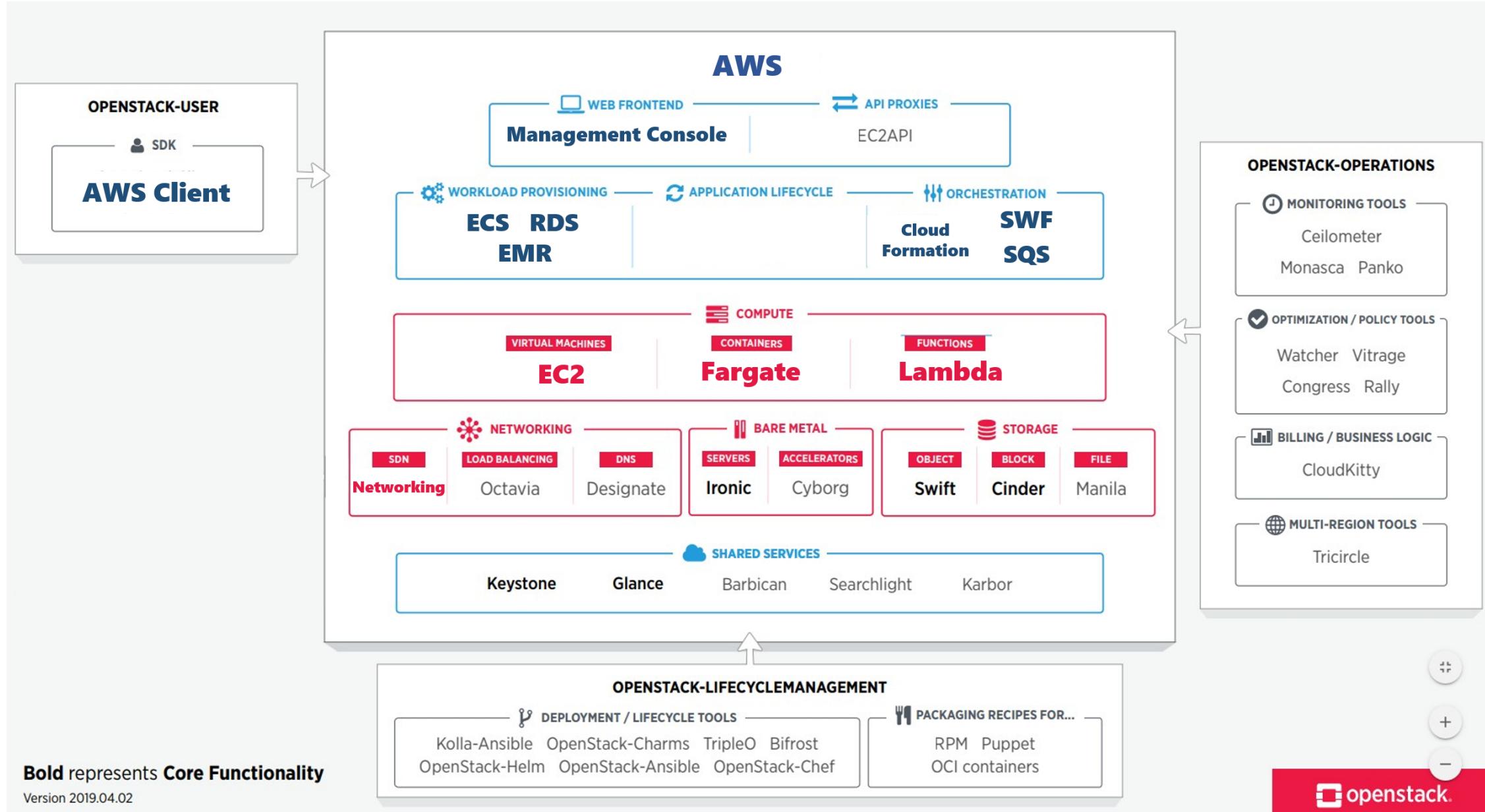
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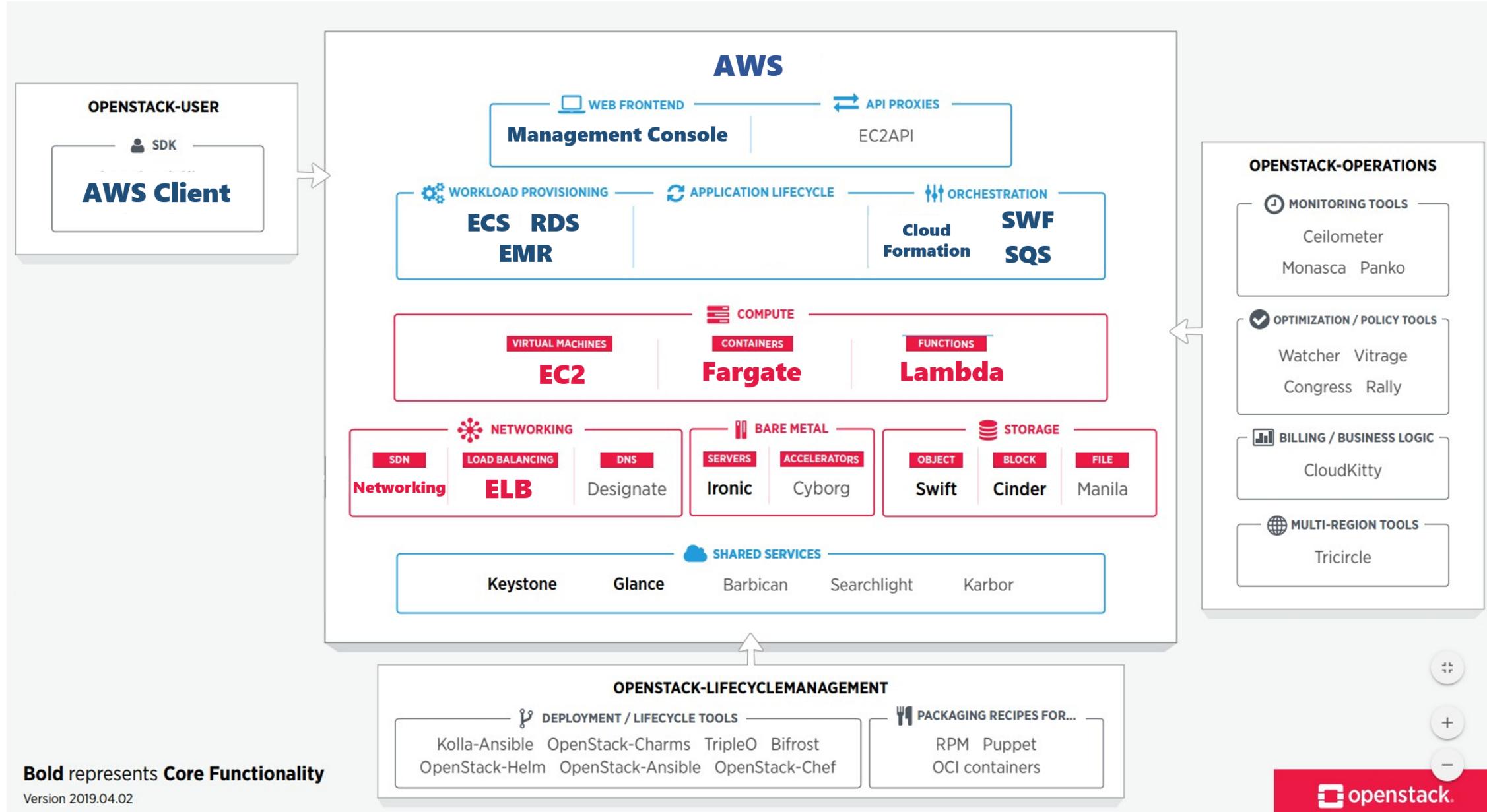
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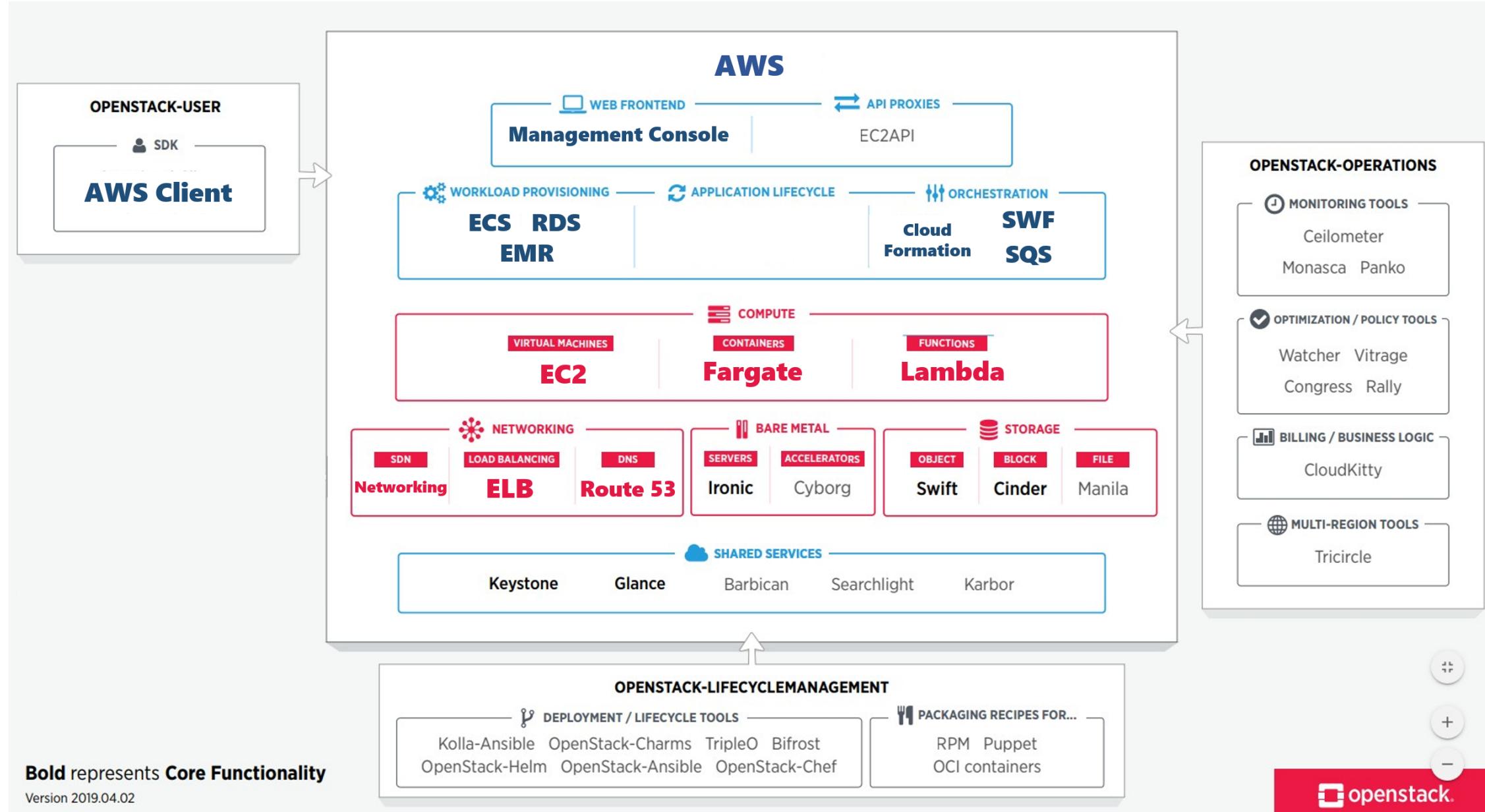
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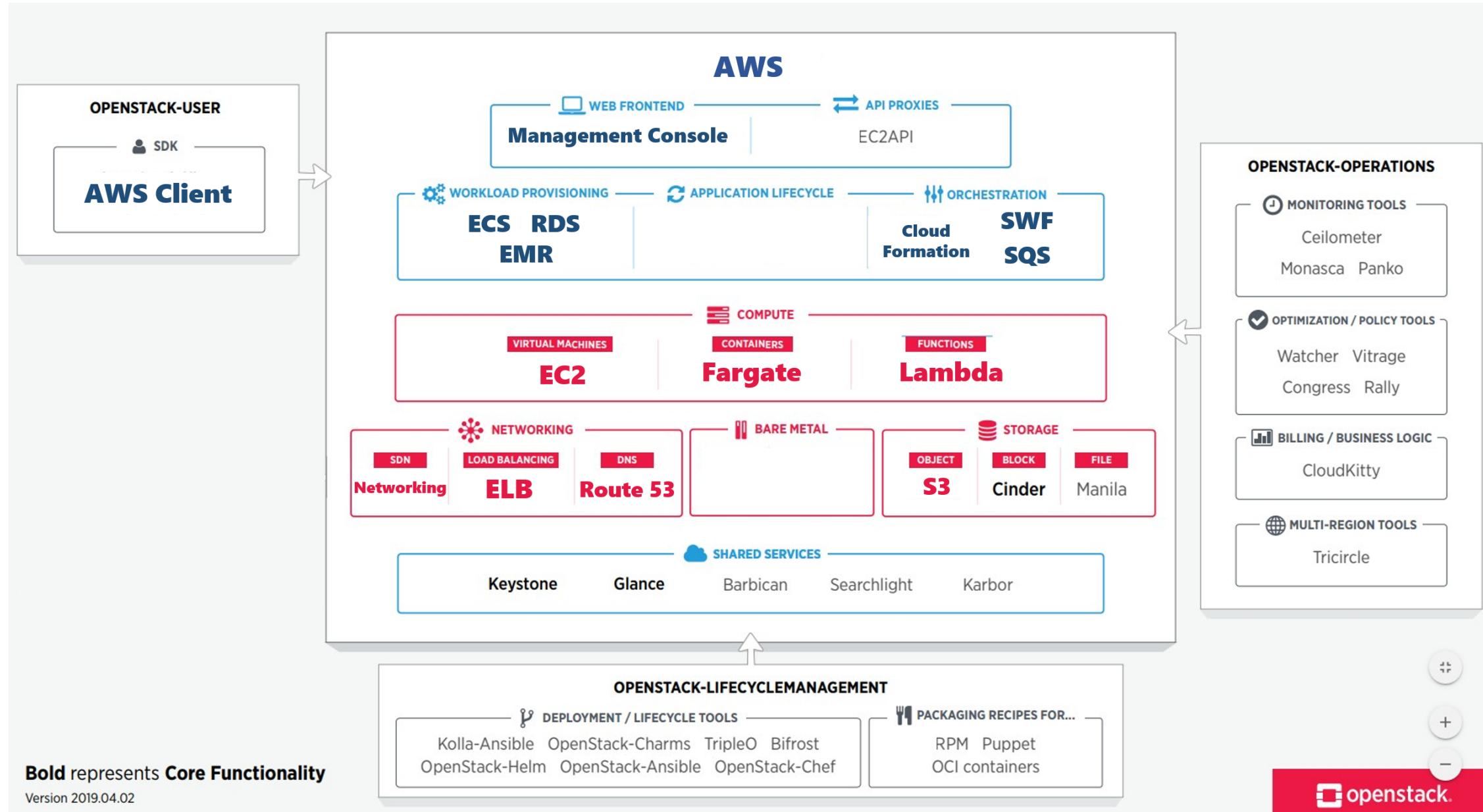
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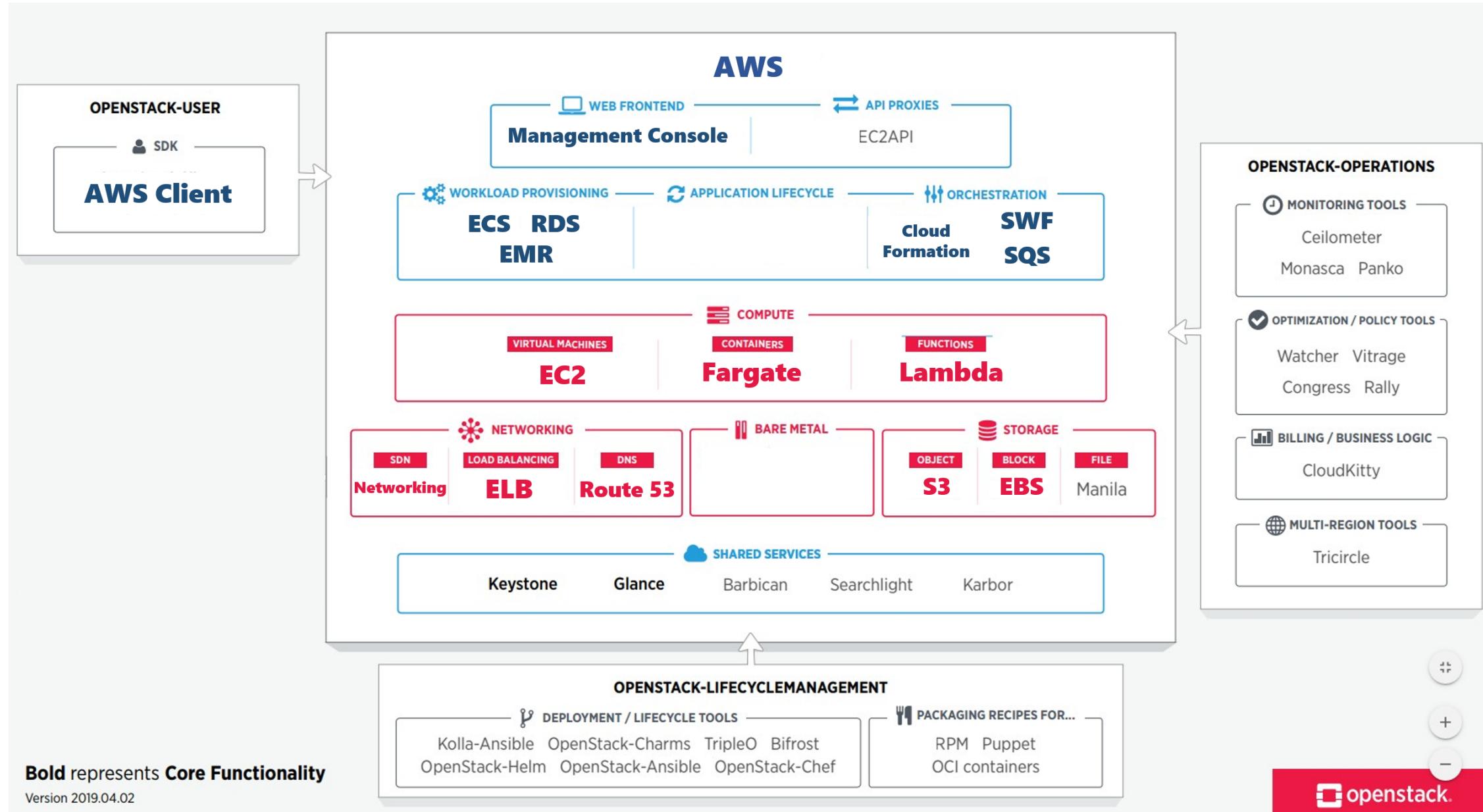
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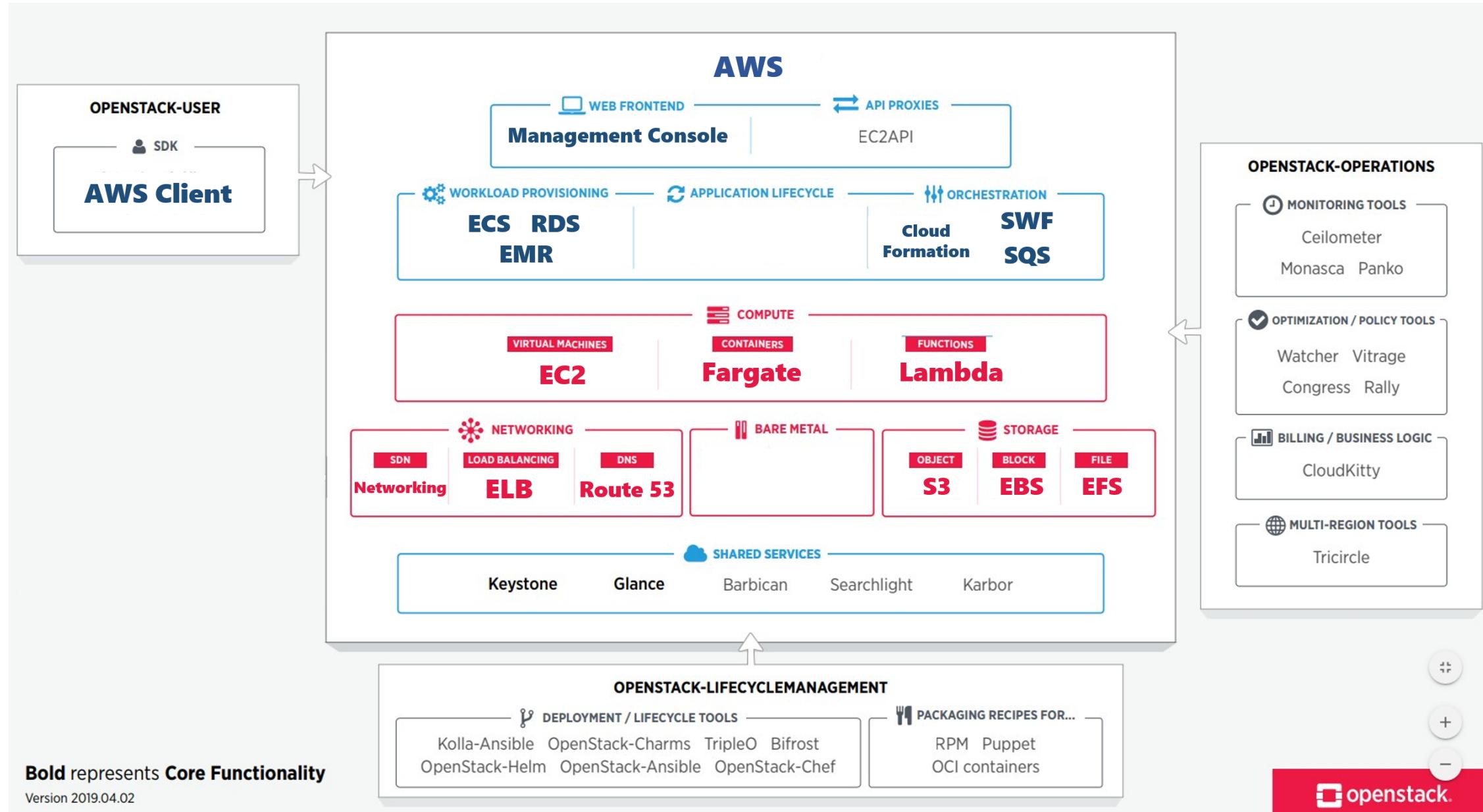
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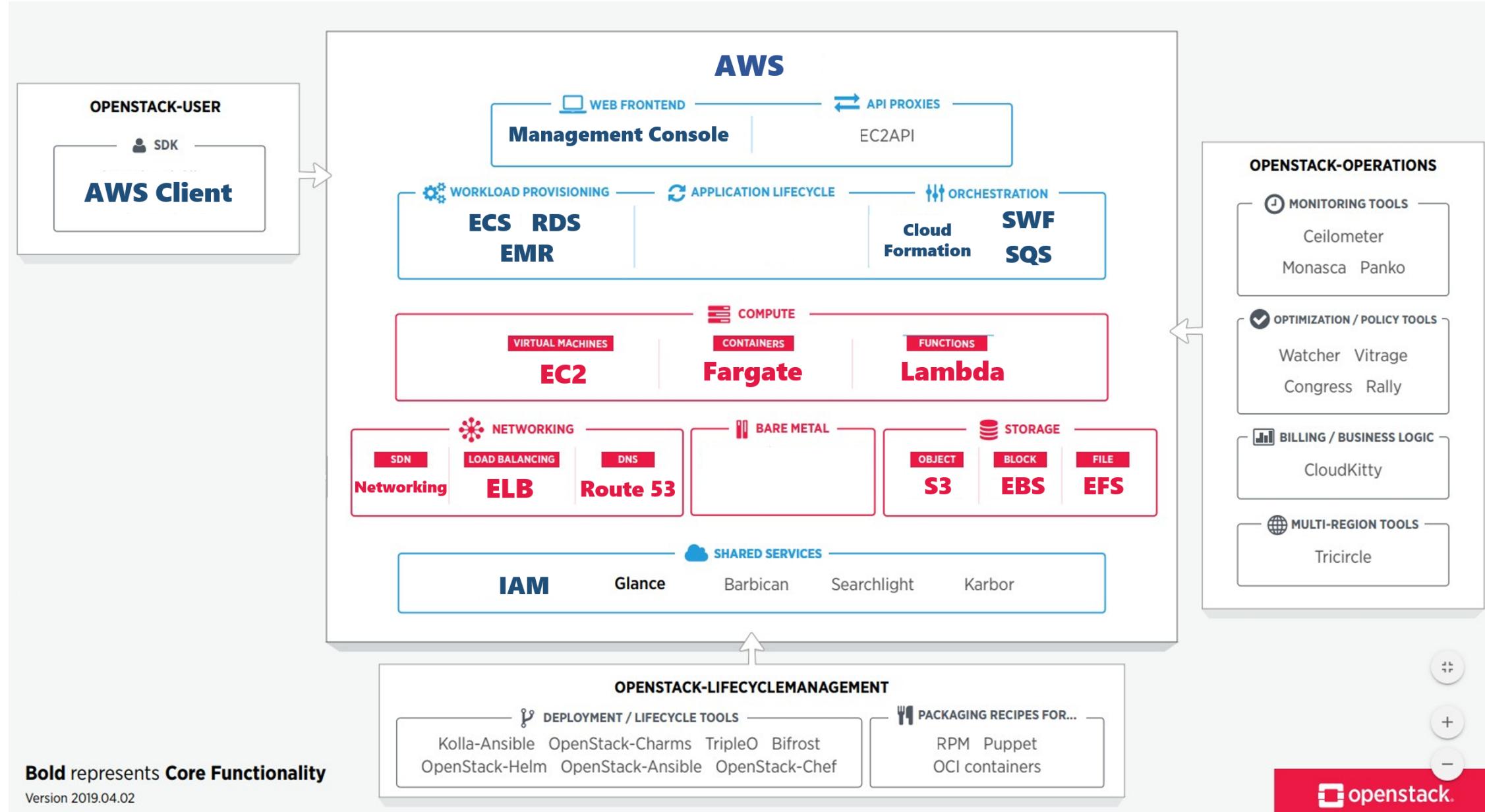
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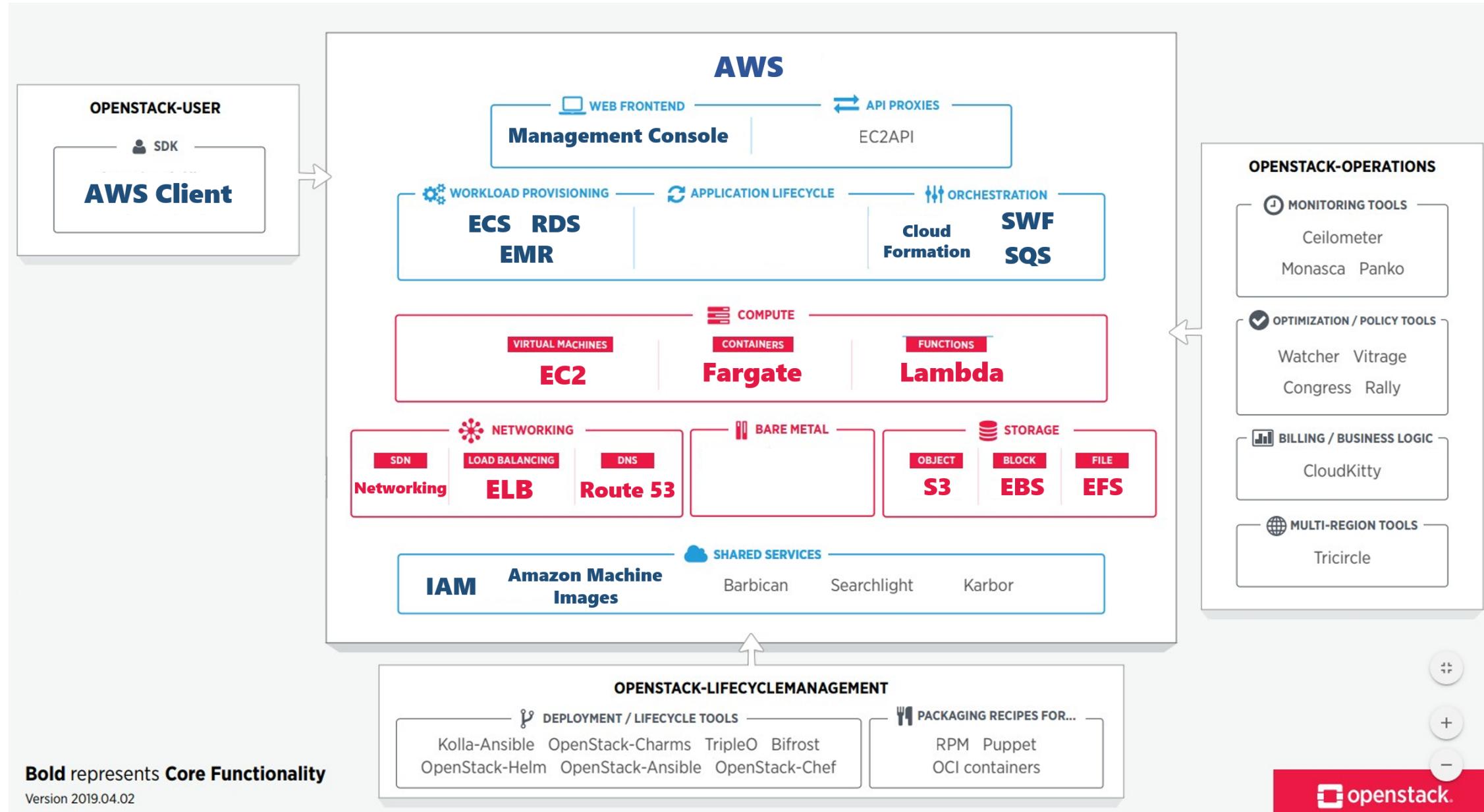
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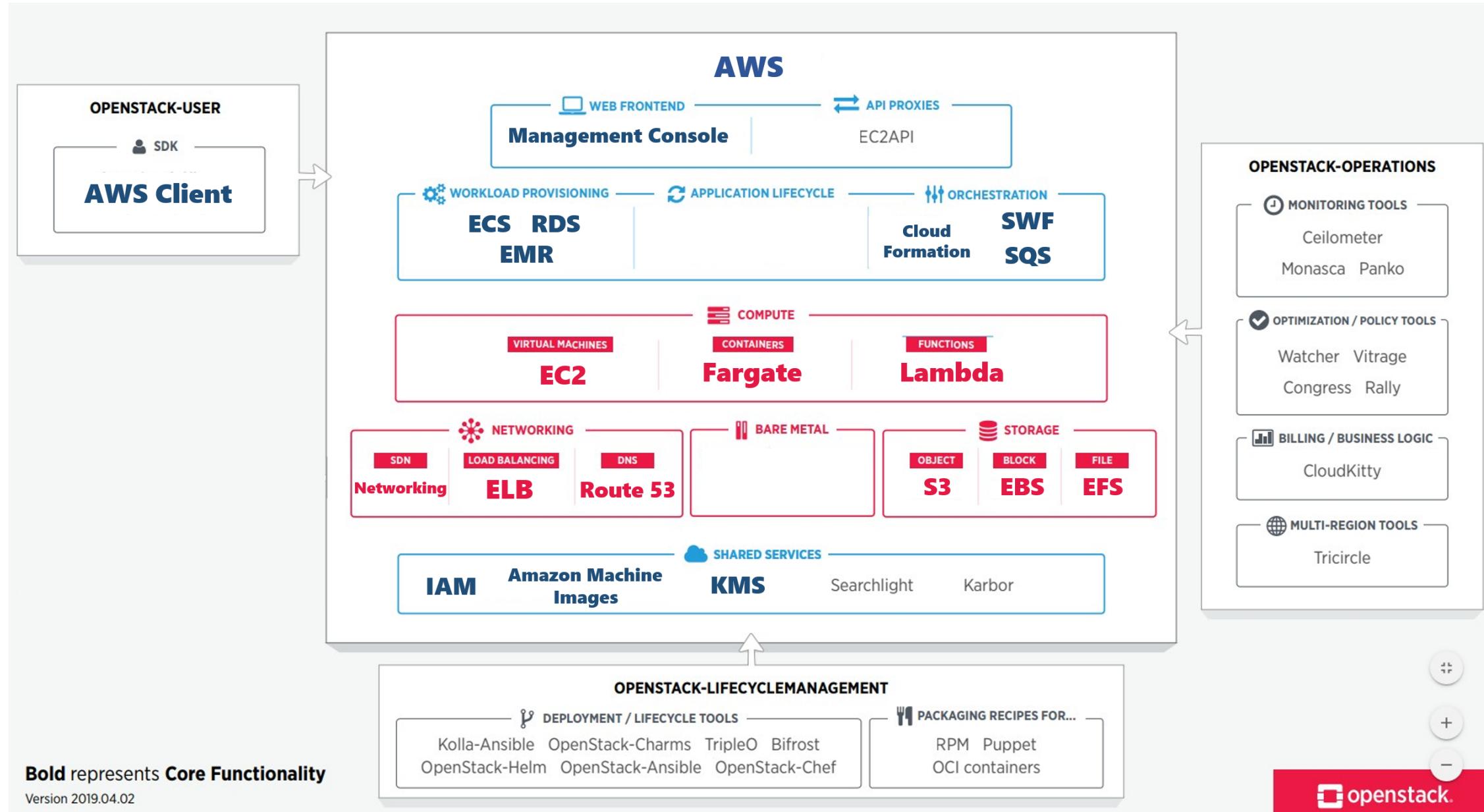
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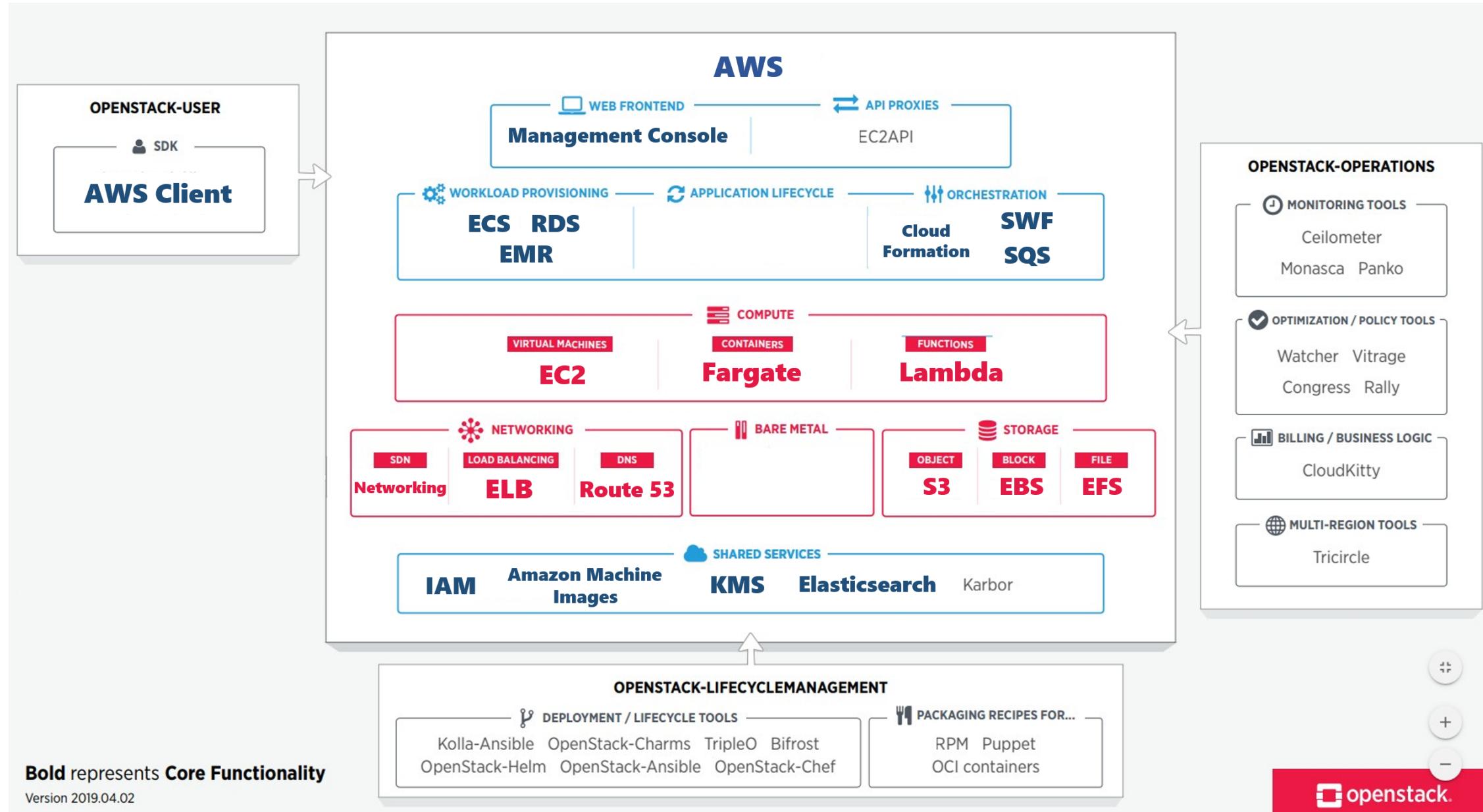
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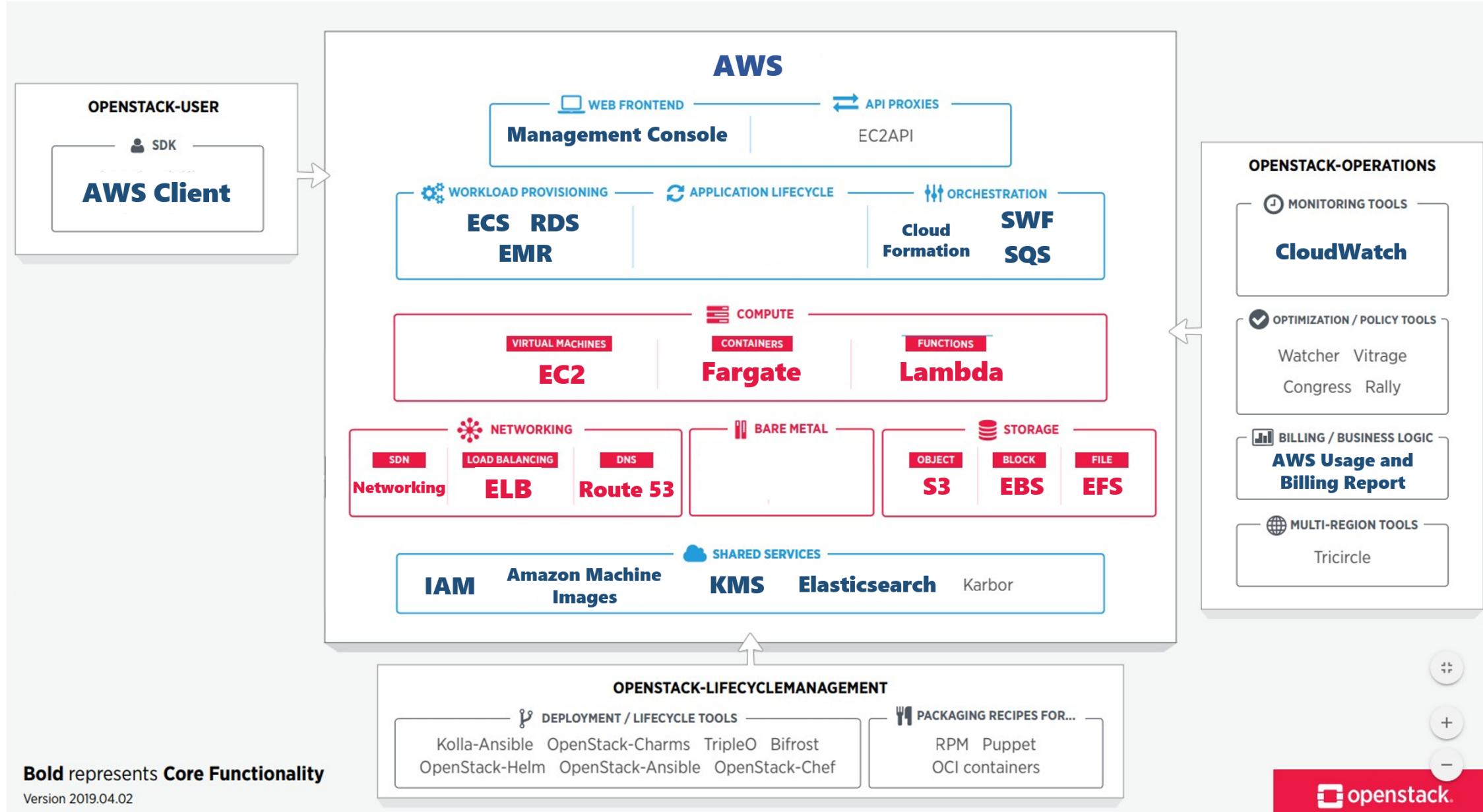
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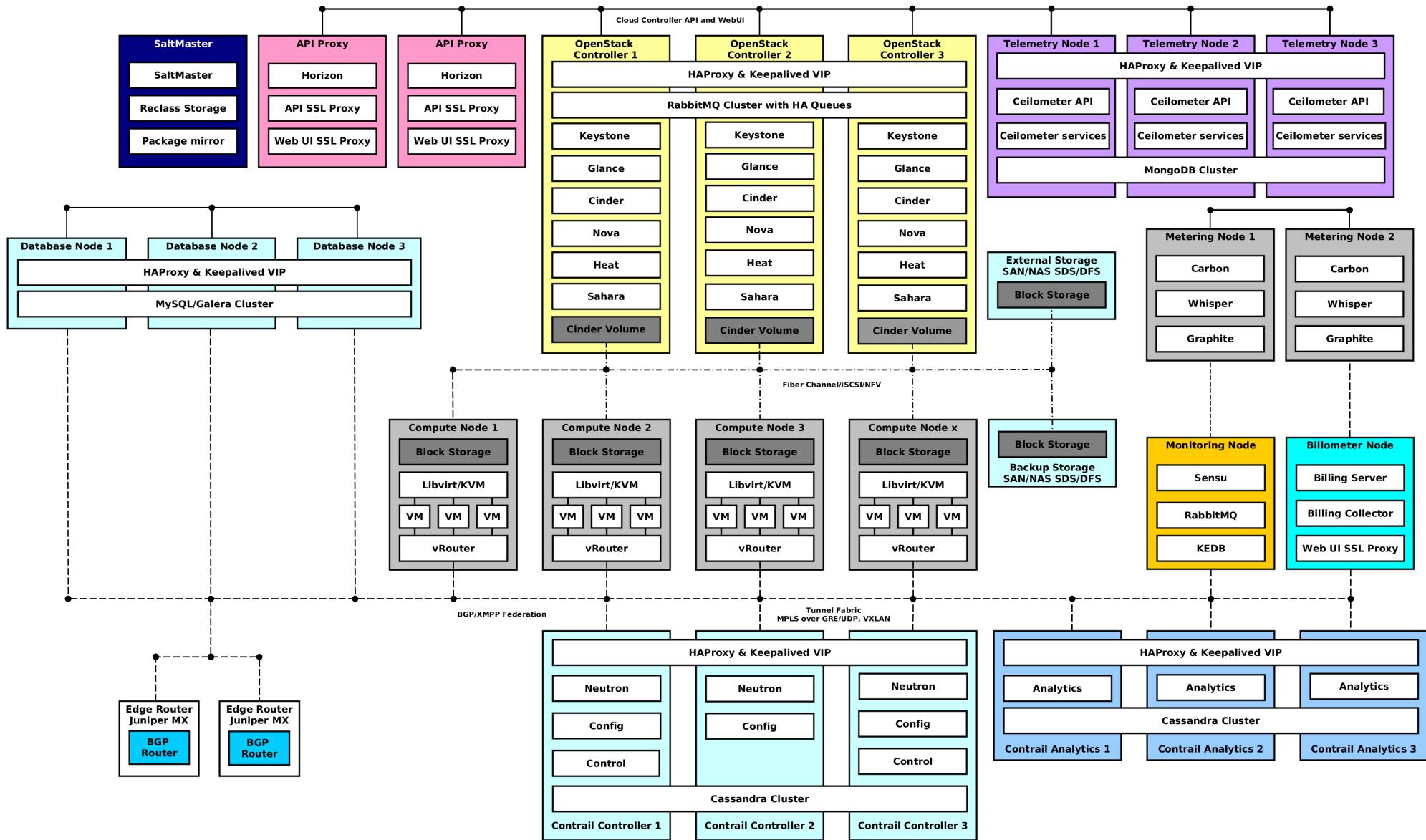
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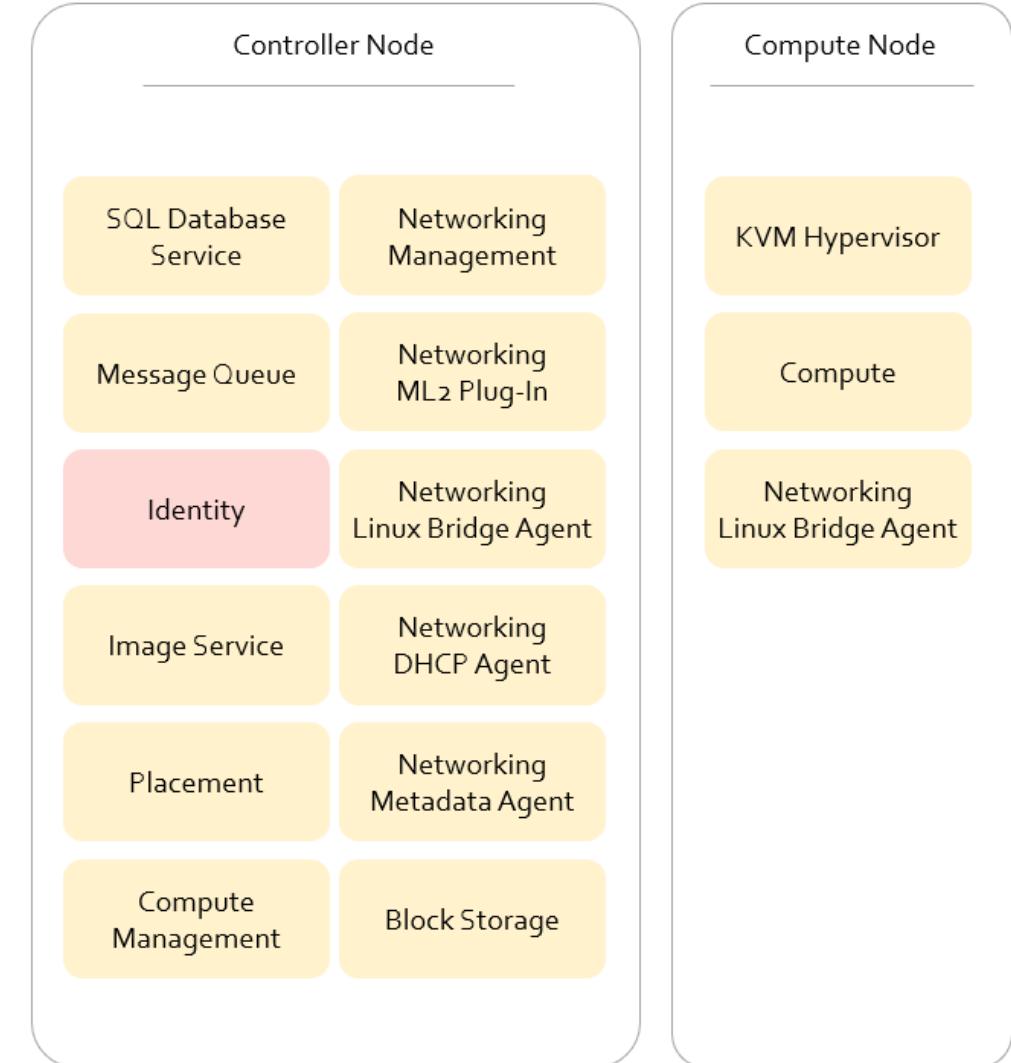


OpenStack Project Architecture



OpenStack Features

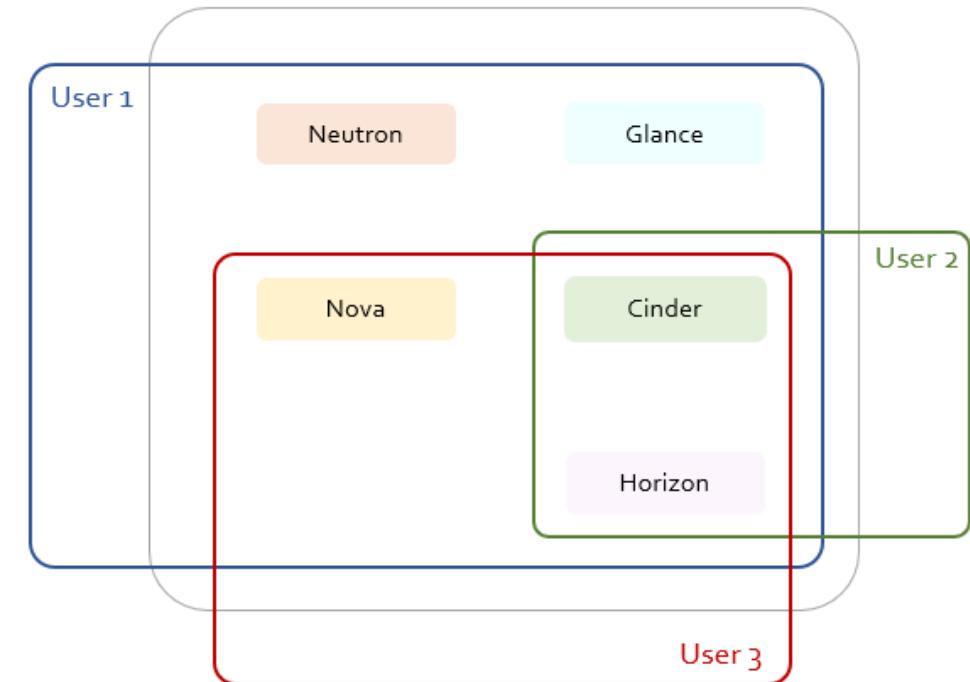
Keystone



Keystone

- 오픈스택의 인증 서비스

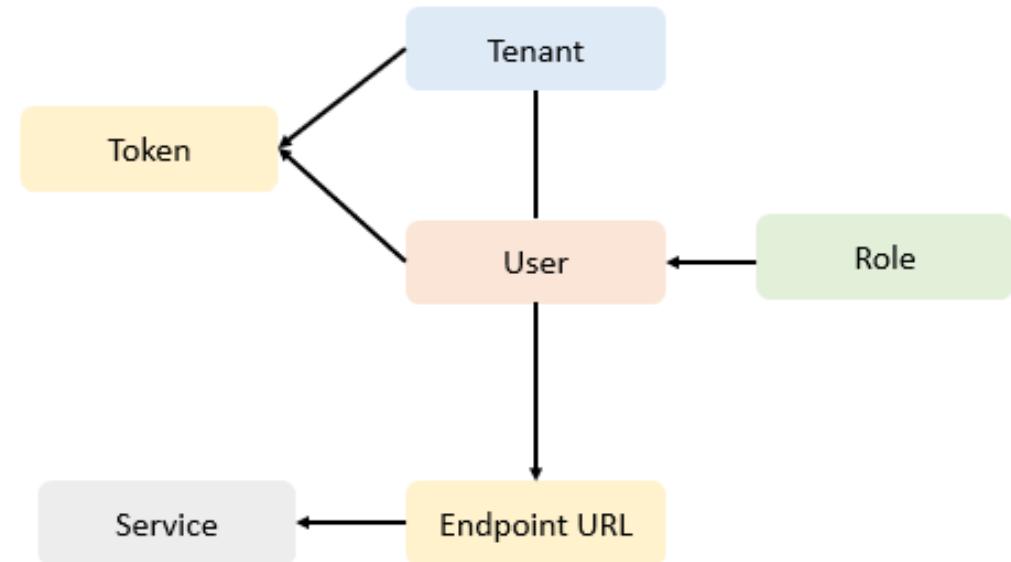
클라우드가 필요로 하는 서비스들에 대한 인증과 권한을 부여해주는 역할



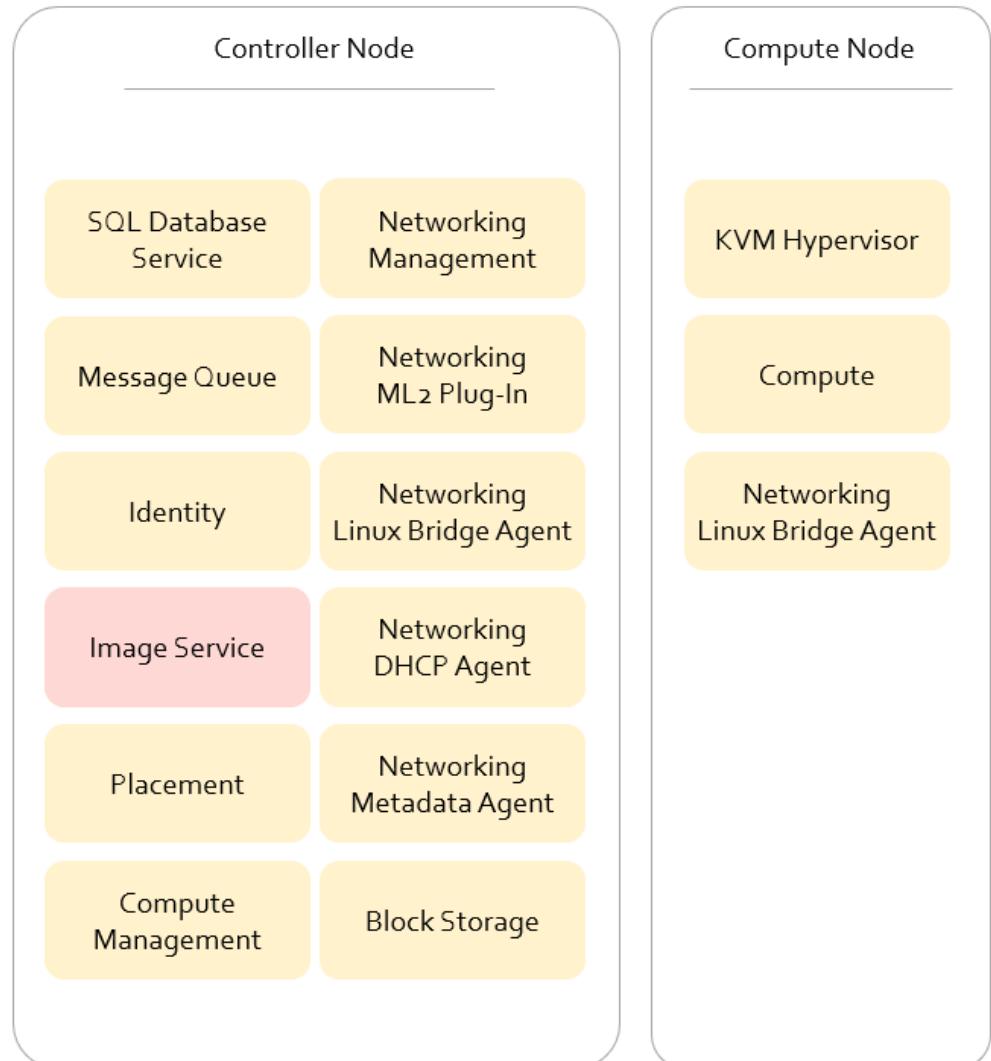
Keystone

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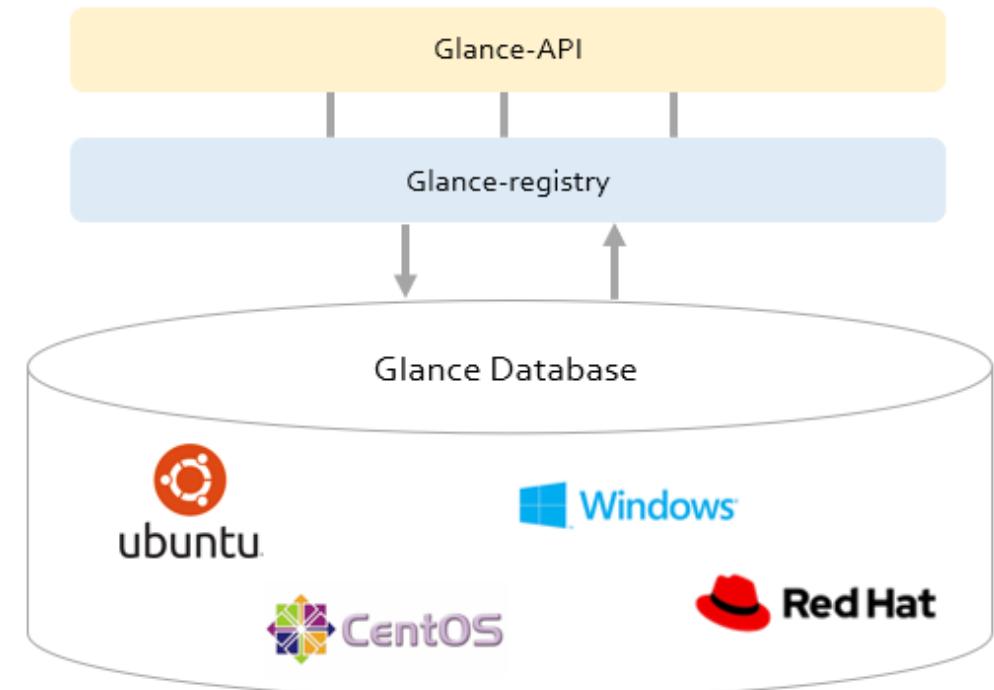


Glance

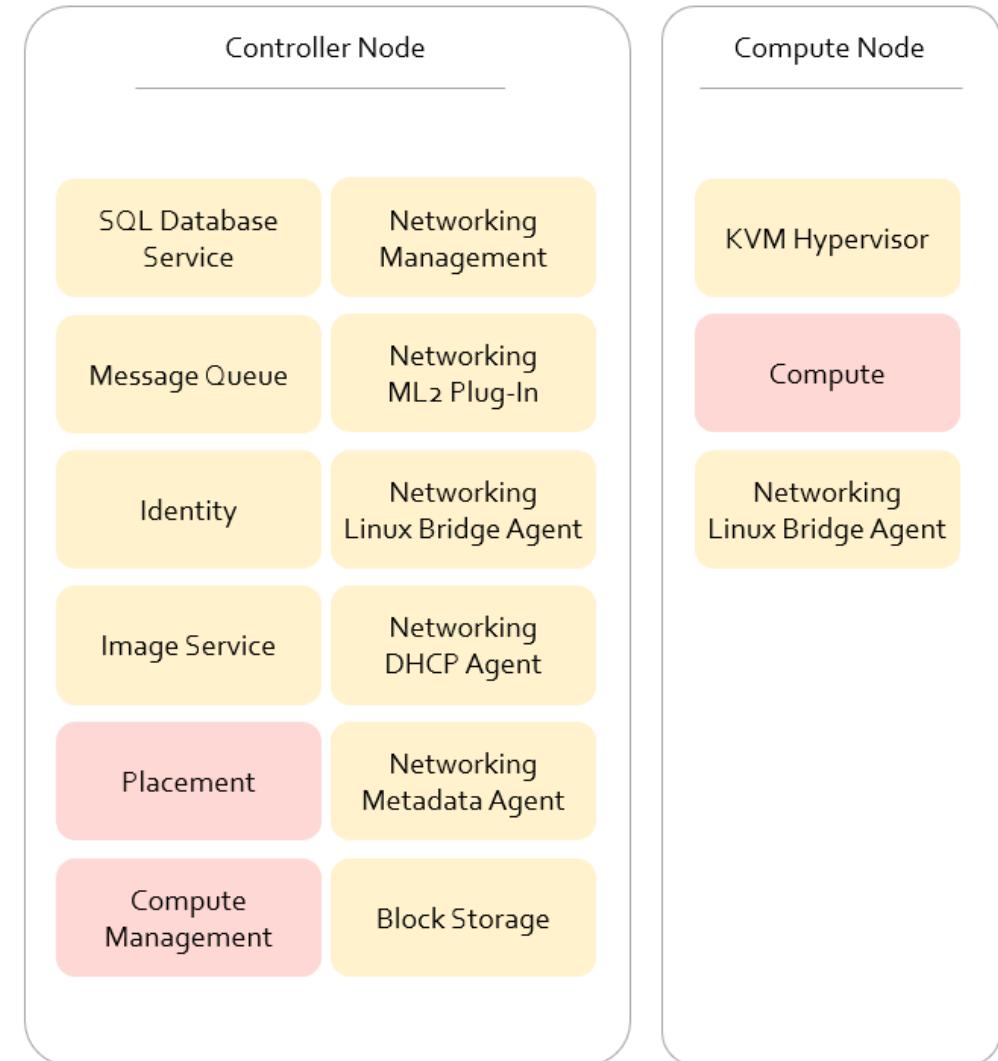


Glance

- 오픈스택의 이미지 관리 서비스
사용자들이 VM 이미지의 삭제, 수정,
조회 등 관리를 할 수 있도록 하는
서비스



Nova / Placement

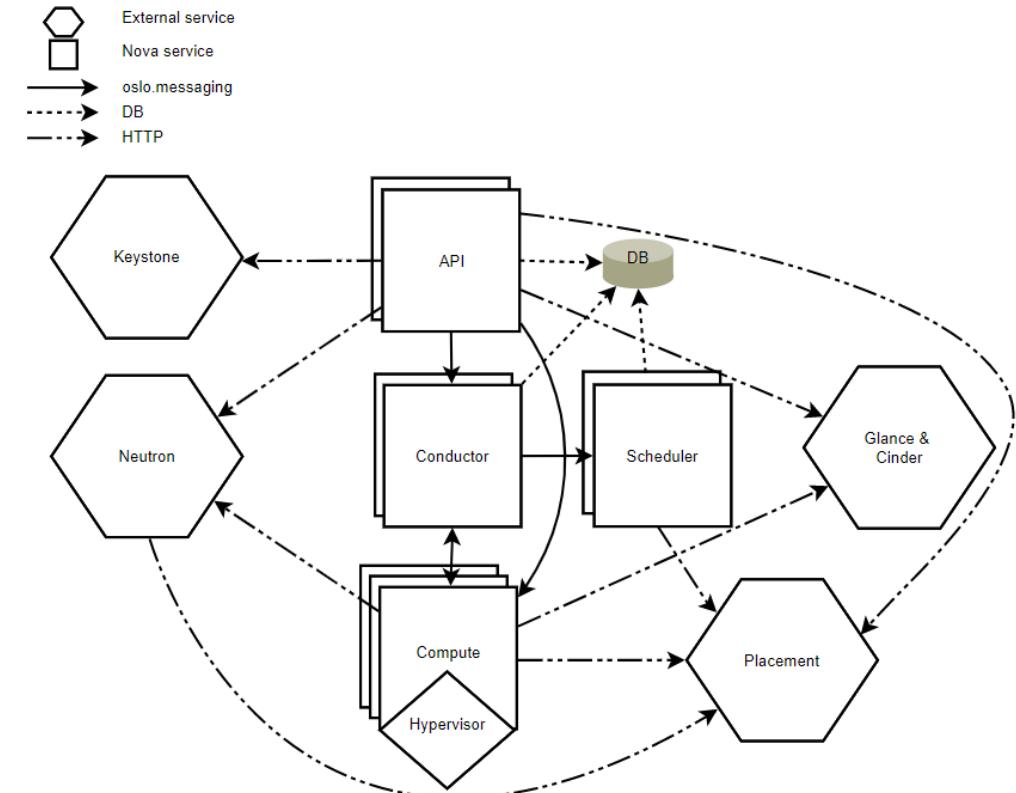


Nova

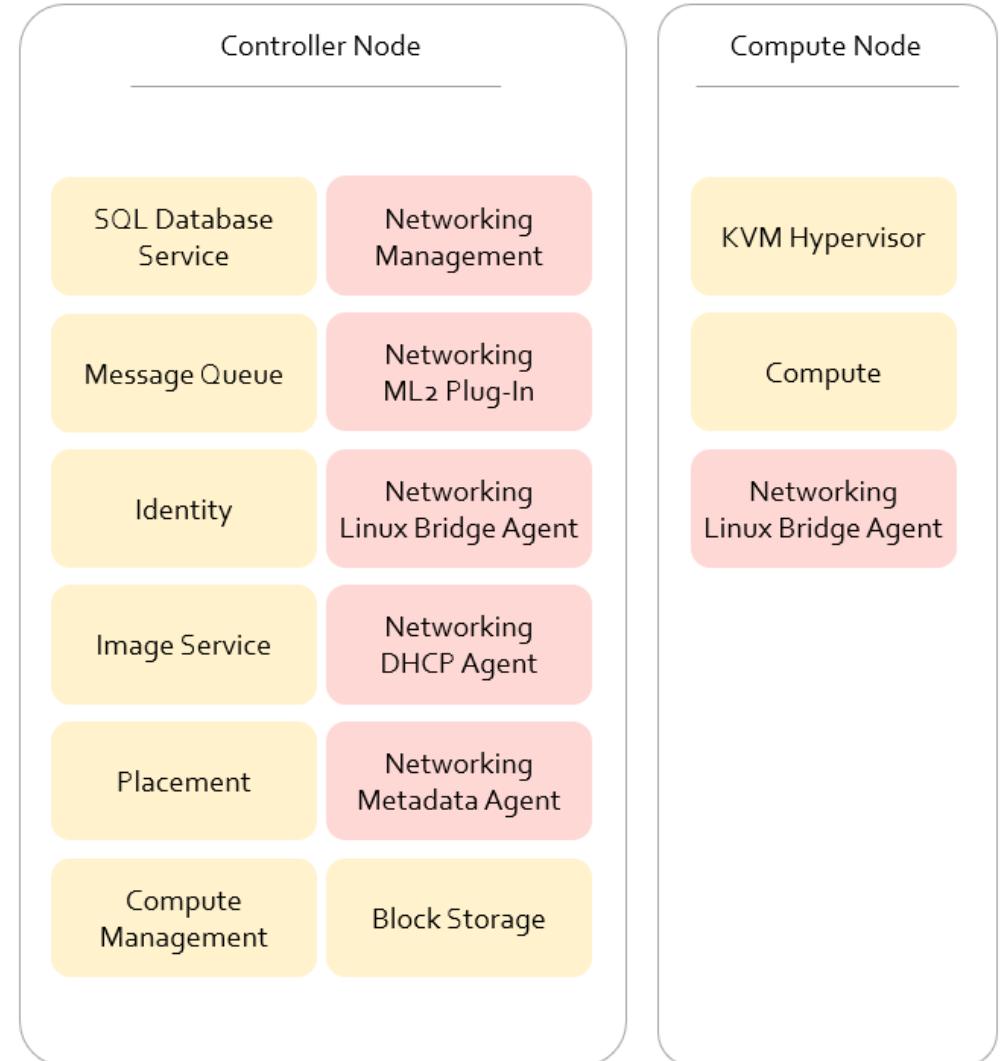
- 오픈스택의 컴퓨팅 서비스
클라우드 컴퓨팅 시스템을 호스팅하고
관리

Placement

- 리소스 프로바이더에 대한 인벤토리와
사용 정보를 추적하는 데 사용



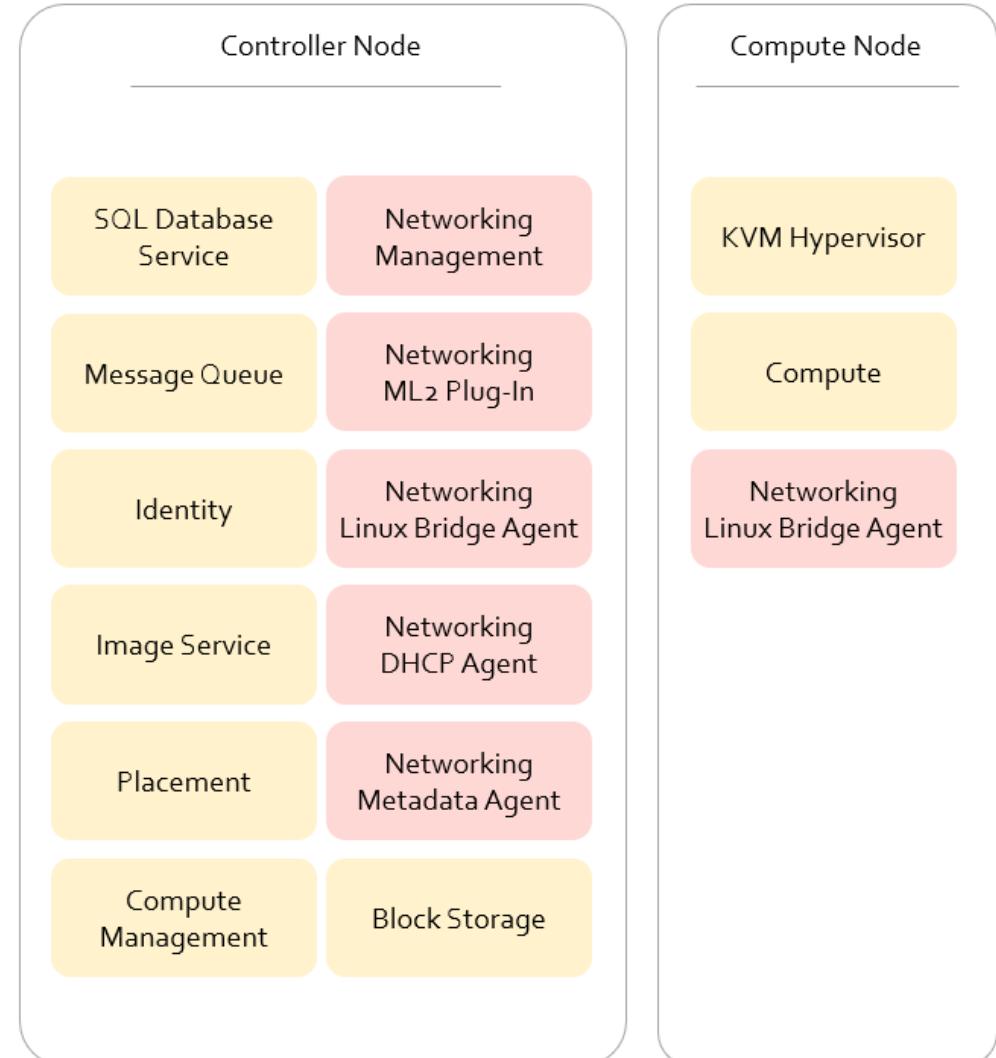
Neutron



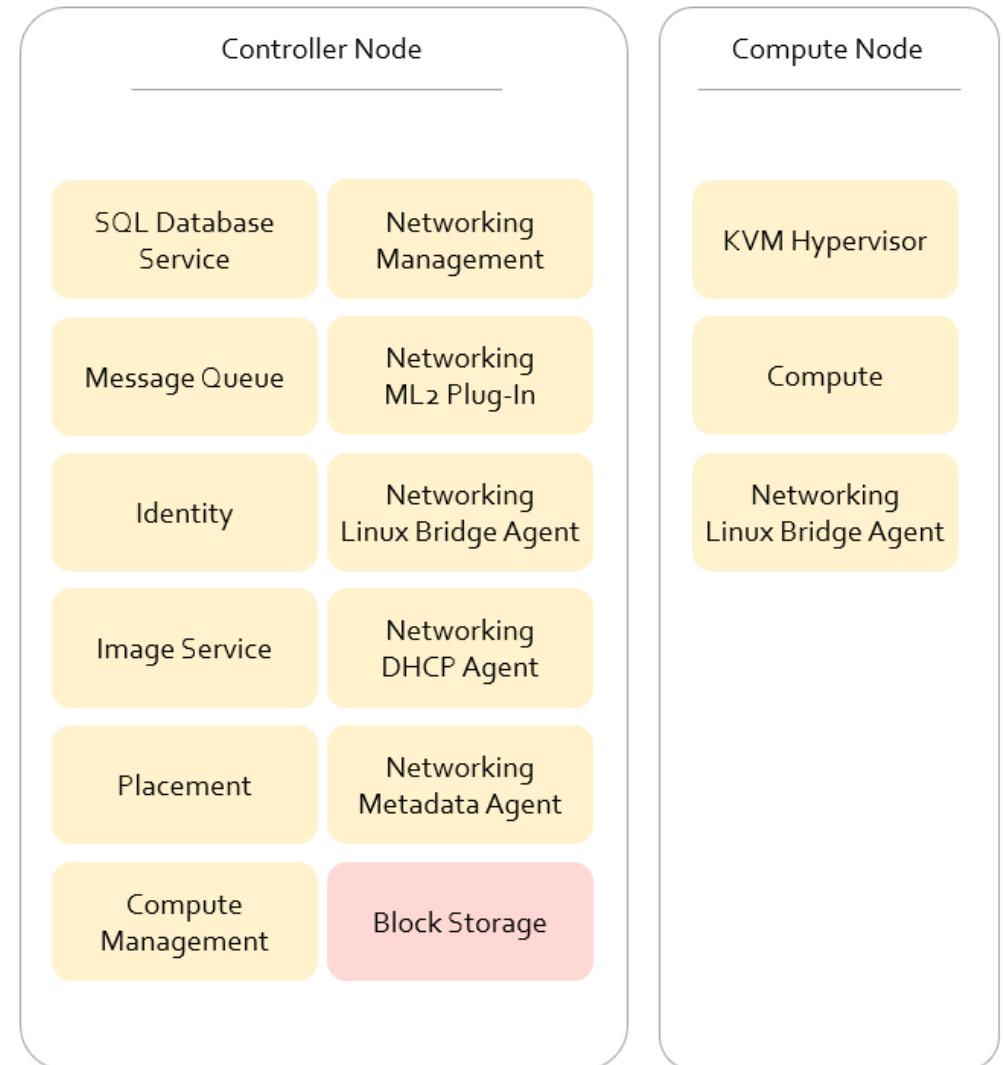
Neutron

- **오픈스택의 네트워킹 서비스**

다른 오픈스택 서비스로 관리되는
인터페이스 장치를 생성하여
네트워크에 연결할 수 있도록 하는
서비스

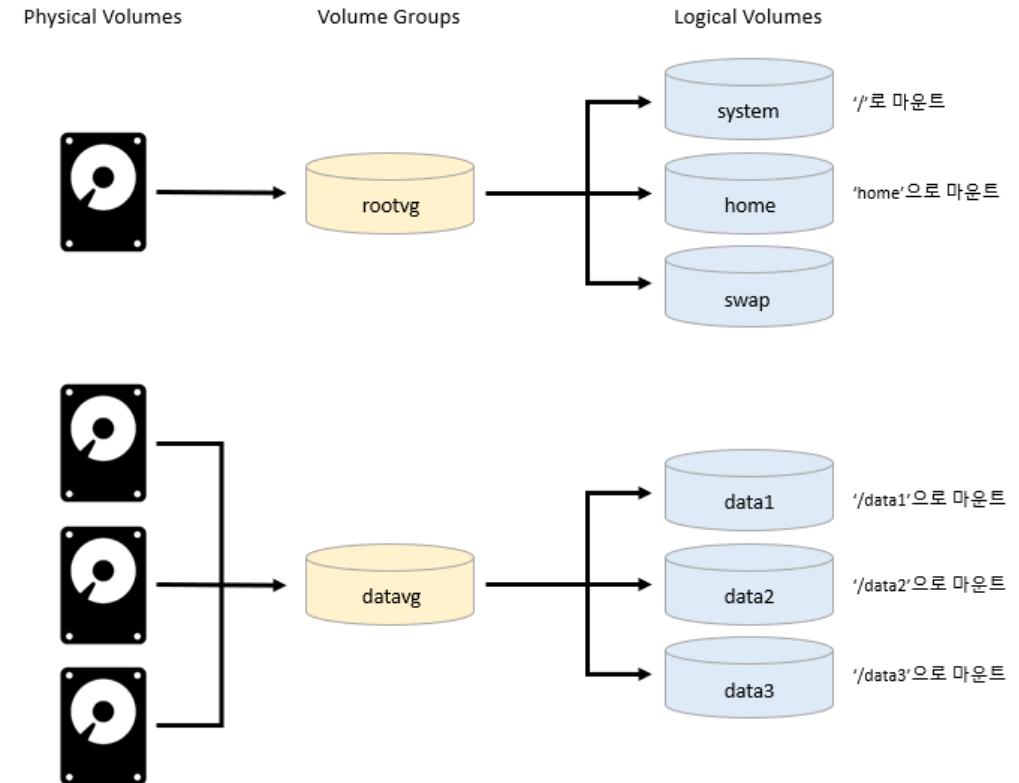


Cinder



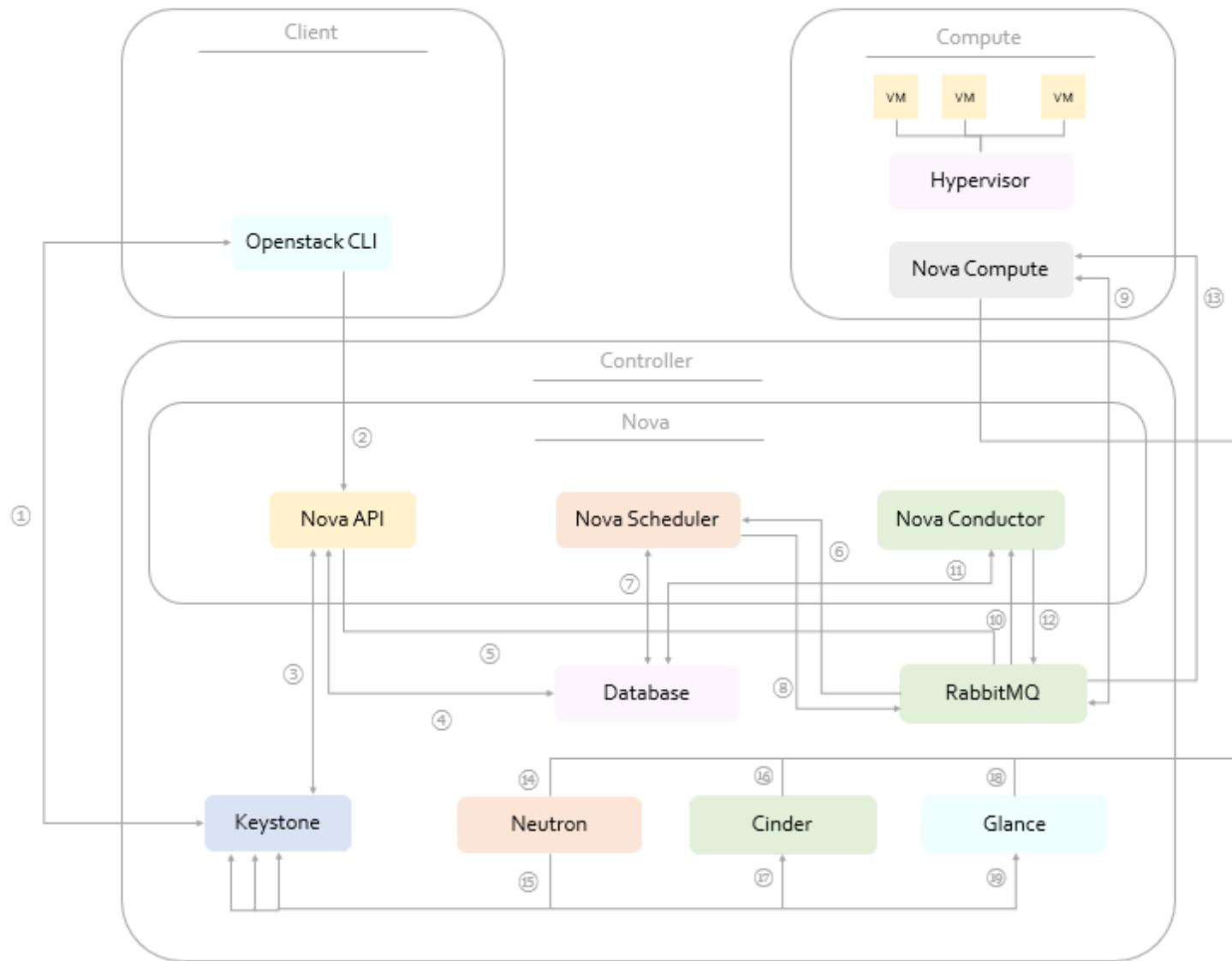
Cinder

- 오픈스택의 블록 스토리지 서비스
볼륨을 관리하는 인프라를 제공하고
인스턴스의 볼륨을 생성

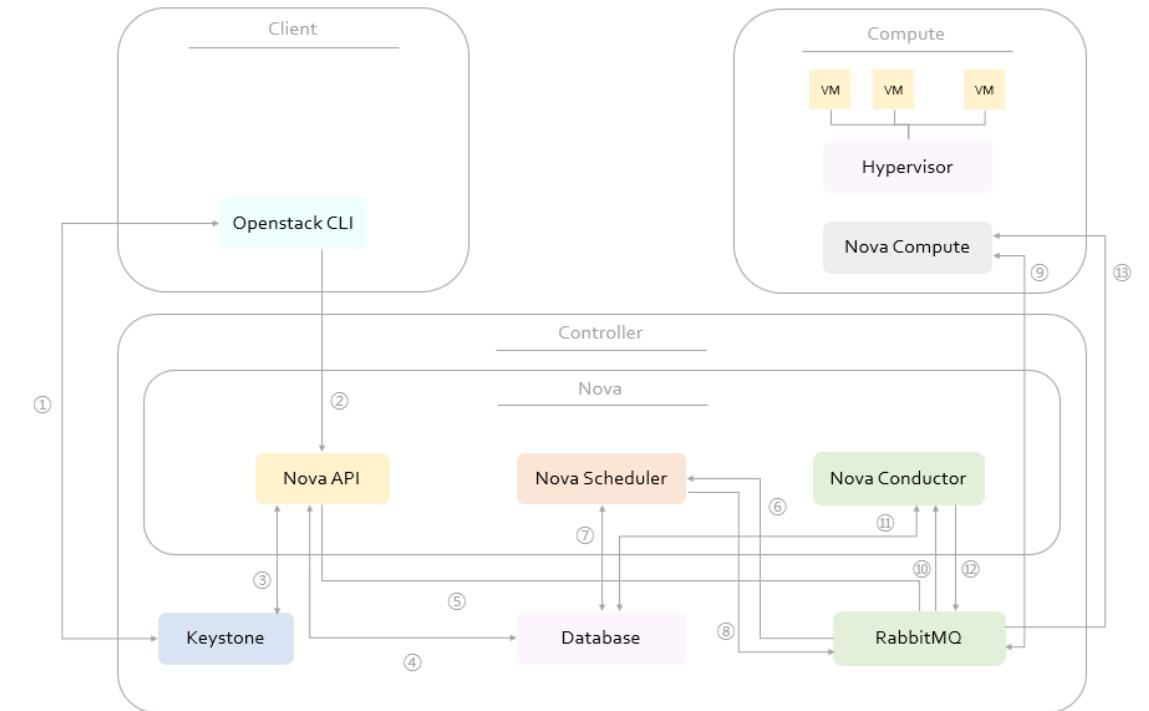


Request Flow when Launching an Instance

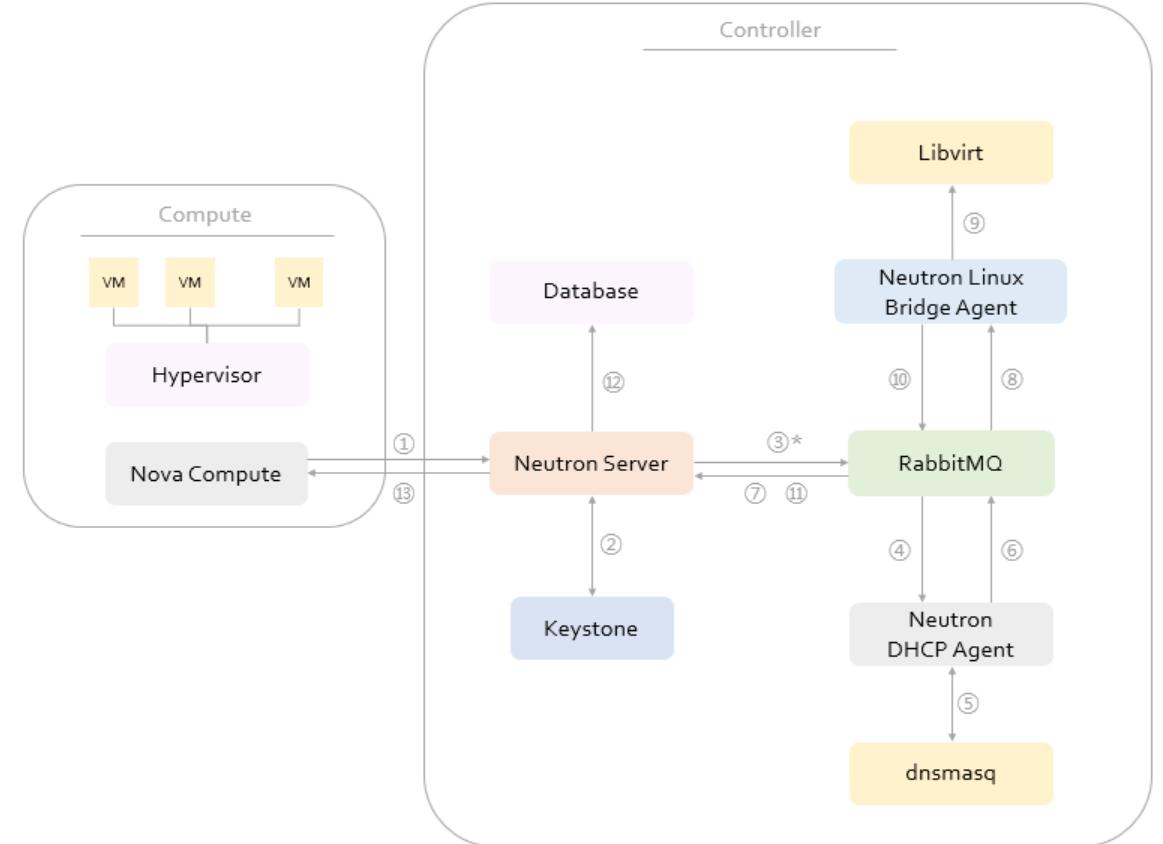
Request Flow when Launching an Instance



Transformation of CLI Request to Running Instances



Network Connections between Compute Nodes and Instances



③ : Request IP Address (DHCP Agent)
Request L2 Configuration (Linux Bridge Agent)

Other Interactions between the New Instance and Components in OpenStack

OpenStack Demo

