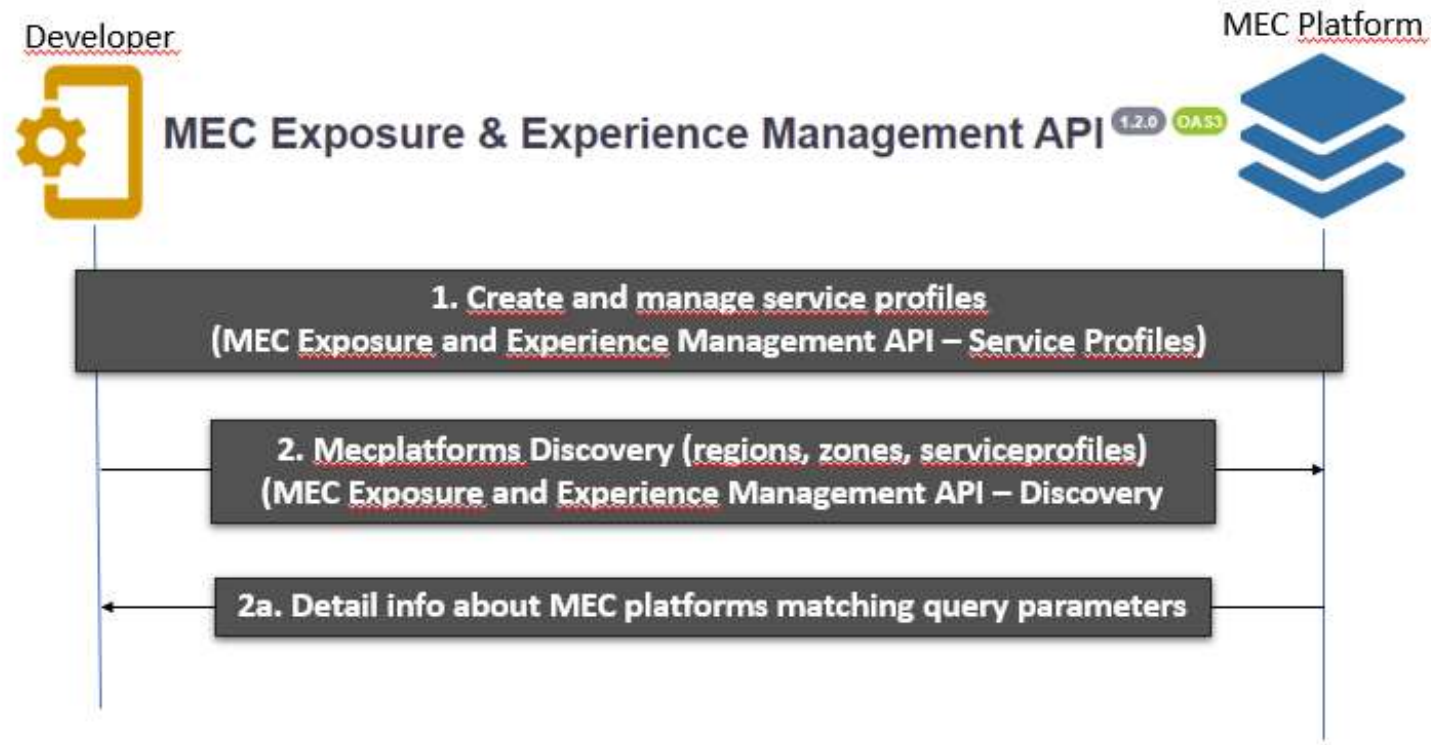




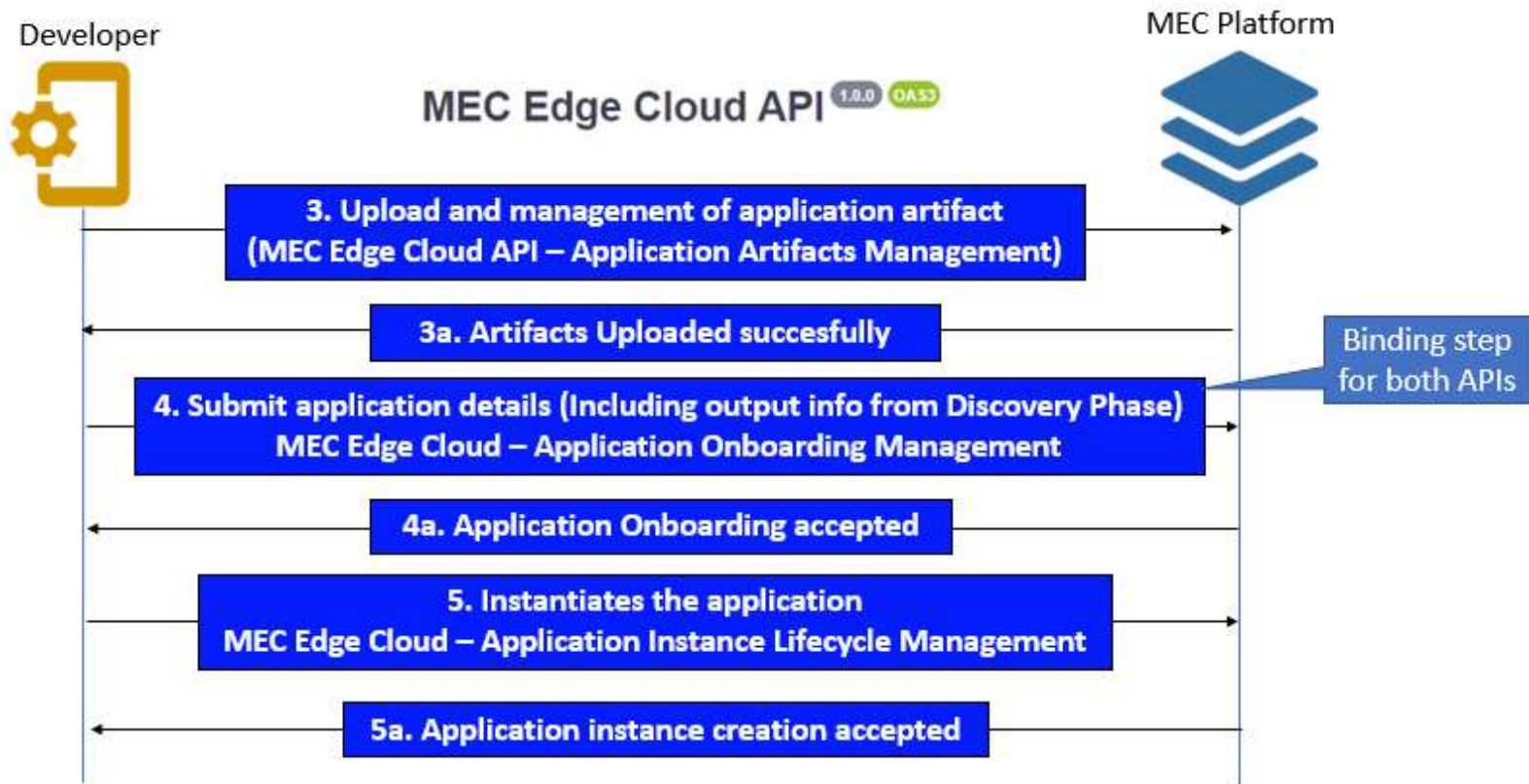
CAMARA – MEC & Deployment API

July 2022

Flow Analysis – Discovery Phase

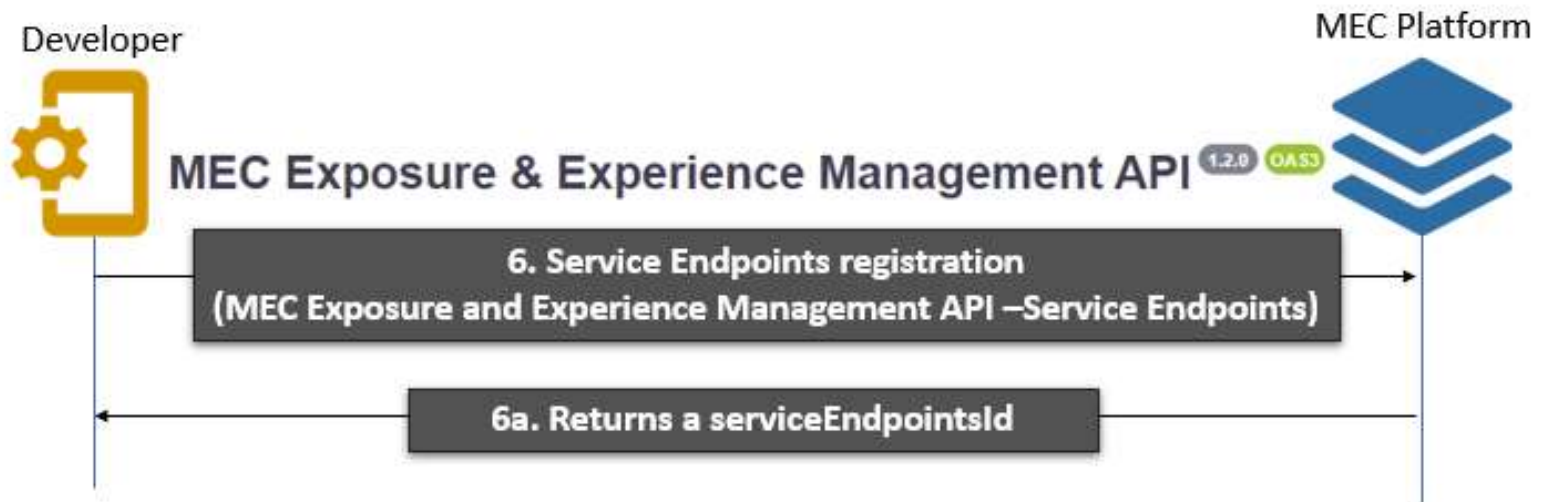


Flow Analysis – Application Onboarding Phase



**Resource Management might be included in this phase

Flow Analysis – Service Endpoints Phase



MEC Experience Management and Exposure - Discovery

Discovery

Discover the regions and zones in the MEC service, find optimal MEC Platforms for your deployed applications, and optimal service endpoints for your clients to connect to.



GET	/	List the links to the top-level resources of this API	✓	🔒
GET	/serviceendpoints	Find optimal Service Endpoints for clients to connect to	✓	🔒
GET	/mecplatforms	Discover optimal MEC Platforms for deployed applications	✓	🔒
GET	/regions	List the geographical regions supported, and the associated zones	✓	🔒
GET	/regions/{regionId}	Fetch details for a region	✓	🔒
GET	/zones	List all zones, or zones within a region	✓	🔒
GET	/zones/{zoneId}	Read the properties of a zone	✓	🔒

MEC Experience Management and Exposure – Service Endpoints

Service Endpoints Register and manage the routable Service Endpoints of your deployed applications.



POST	/serviceendpoints	Register Service Endpoints	✓	🔒
GET	/serviceendpoints/{serviceEndpointsId}	Get registered edge service endpoint information	✓	🔒
PUT	/serviceendpoints/{serviceEndpointsId}	Update a Service Endpoint	✓	🔒
DELETE	/serviceendpoints/{serviceEndpointsId}	Deregister an application's Service Endpoint	✓	🔒

MEC Experience Management and Exposure – Service Profiles

Service Profiles

Create and manage profiles that describe the service requirements of your MEC applications, such as the required connection bandwidth and maximum latency.



POST

/serviceprofiles Create a service profile



GET

/serviceprofiles List all service profiles registered under your API key



GET

/serviceprofiles/{serviceProfileId} Fetch a service profile



PUT

/serviceprofiles/{serviceProfileId} Update Service Profile



DELETE

/serviceprofiles/{serviceProfileId} Delete a Service Profile



MEC Edge Cloud API

Application Provider Resource Management



POST

/isv/resource/appProvider/{appProviderId}

Reserves resources (compute, network and storage) on OP zones. ISVs registered with home OP reserves resources on OP zones.



GET

/isv/resource/appProvider/{appProviderId}

Retrieves the resource pool reserved by an ISV



PATCH

/isv/resource/appProvider/{appProviderId}

Updates resources reserved for a pool by an ISV



DELETE

/isv/resource/appProvider/{appProviderId}/pool/{poolId}

Deletes the resource pool reserved by an ISV



- **reserveComputeResources** Reserves compute, network and storage resources on specified zones for an application provider
- **updateResourceReservation** Updates (add, remove or change amount) resources reserved for an application provider
- **viewReservedResources** Retrieves resources reserved for an application provider
- **removeReservedResources** Remove resources reserved for an application provider

MEC Edge Cloud API

Application Artifacts Management

POST	/artifact	Uploads application artifact on an OP. Artifact is a zip file containing scripts and/or packaging files like Terraform or Helm which are required to create an instance of an application.	✓	🔒
GET	/artifact/{artifactId}	Retrieves details about an artifact.	✓	🔒
DELETE	/artifact/{artifactId}	Removes an artifact from an OP.	✓	🔒
POST	/files	Uploads an image file. Application provider uses this api to onboard an application image to an OP.	✓	🔒
DELETE	/files/{fileId}	Removes an image file from partner OP.	✓	🔒
GET	/files/{fileId}	View an image file from partner OP.	✓	🔒

- **onboardArtifact** Submits an artifact to operator platform
- **removeArtifact** Removes an artifact from operator platform
- **viewArtifact** Retrieves an artifact details
- **uploadFile** Upload application binaries to operator platform
- **removeFile** Removes application binaries from operator platform
- **viewFileInfo** Retrieves details about binaries associated with an application

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MEC Edge Cloud API

Application Onboarding Management









POST	/application/onboarding	Submits an application details to a partner OP. Based on the details provided, partner OP shall do bookkeeping, resource validation and other pre-deployment operations.	✓	🔒
GET	/application/onboarding/{appId}	Retrives application details from an OP	✓	🔒
PATCH	/application/onboarding/{appId}	Updates an OP about changes in application compute resource requirements, QOS Profile, associated descriptor or change in associated components	✓	🔒
DELETE	/application/onboarding/{appId}/zone/{zoneId}	Deboards an application from partner OP zones	✓	🔒
POST	/application/onboarding/{appId}/additionalZones	Onboards an existing application to a new zone.	✓	🔒
POST	/application/onboarding/{appId}/zoneForbid	Restrict/unrestrict application instantiation on a zone	✓	🔒

- **onboardApplication** - Submits an application details to an OP. Based on the details provided, OP shall do bookkeeping, resource validation and other pre-deployment operations.
- **updateApplication** - Updates an OP about changes in application compute resource requirements, QOS Profile, associated descriptor or change in associated components
- **removeApplication** - Removes an application from an OP
- **viewApplication** - Retrives application details from an OP
- **onboardExistingAppNewZones** - Make an application available on new additional zones
- **lockUnlockApplicationZone** - Forbid or permit intantiation of application on a zone

MEC Edge Cloud API

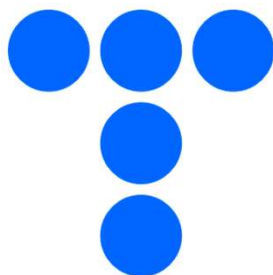
Application Instance Lifecycle Management

POST	/application/lcm/{appId}	Instantiates an application on an OP zone.	 
GET	/application/lcm/{appId}/instance/{appInstanceId}/zone/{zoneId}	Retrieves an application instance details from OP.	 
DELETE	/application/lcm/{appId}/instance/{appInstanceId}/zone/{zoneId}	Terminate an application instance on a partner OP zone.	 

instantiateApplication - Submits an application details to an OP. Based on the details provided, OP shall do bookkeeping, resource validation and other pre-deployment operations.

viewApplicationInstance - Retrives details of an application instance running on a zone

removeApplication - Removes an application instance from an OP



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