

MISURA PNRR 1.3.1 PIATTAFORMA DIGITALE NAZIONALE DATI

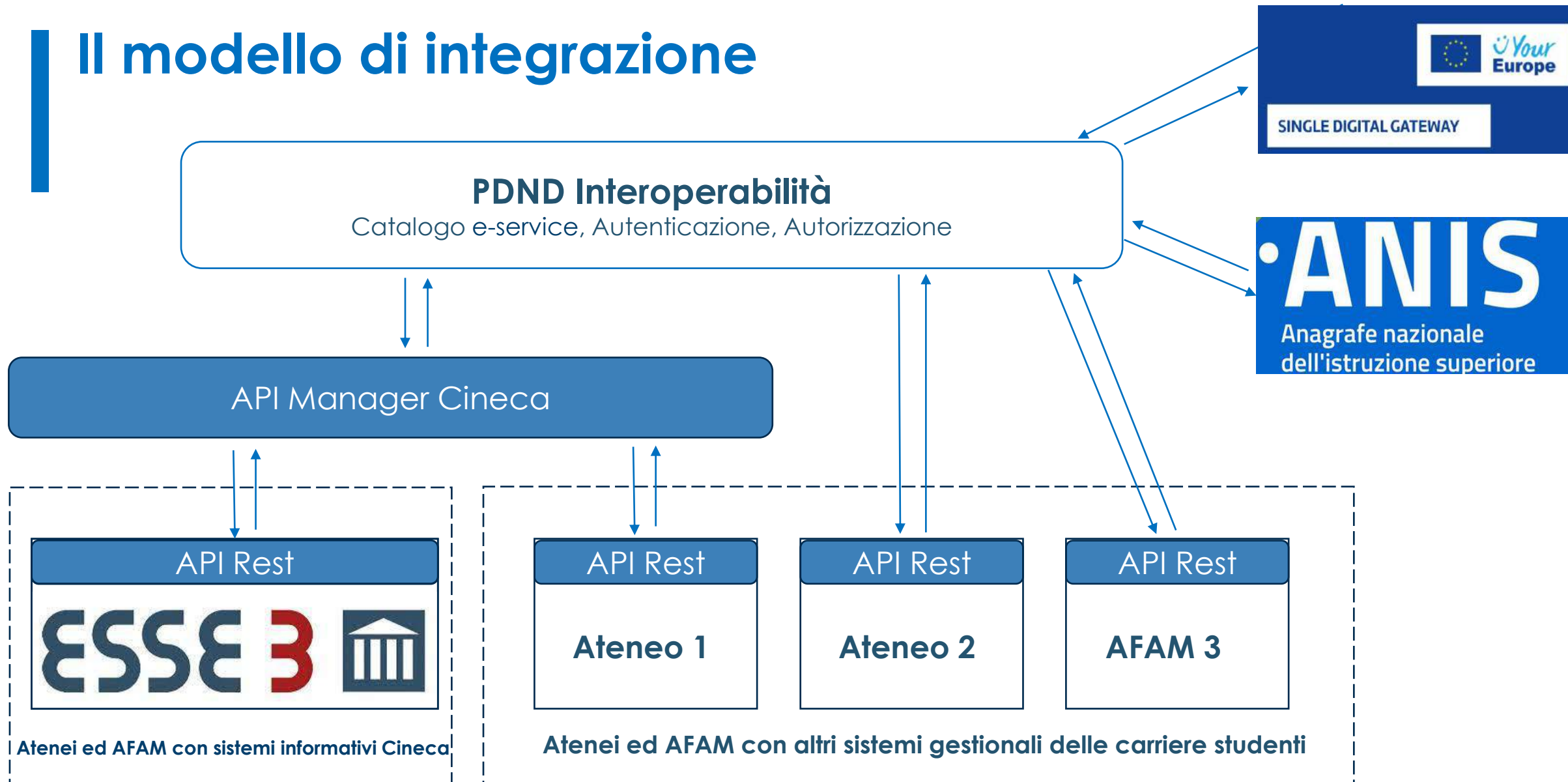
IL MODELLO DI INTEGRAZIONE CINECA

CINECA

22 febbraio 2024

Luca Mingozzi

Il modello di integrazione



API Manager Cineca

Attività in carico ad Atenei ed AFAM

Atenei ed AFAM con applicazioni CINECA per la gestione degli studenti

- Dichiarare su PDND gli e-services esposti da API manager => CINECA provvede alla configurazione su API Manager degli e-services sviluppati e fornisce i corrispondenti parametri per l'accordo di servizio su PDND

Atenei ed AFAM che provvedono direttamente o tramite terze parti allo sviluppo degli e-services

- Implementare le API secondo le specifiche (<https://github.com/italia/api-padigitale2026-misura1.3.1-uni-afam>)
- Fornire a CINECA il riferimento agli e-services da esporre => CINECA provvede alla configurazione su API Manager e fornisce i corrispondenti parametri per l'accordo di servizio su PDND
- Dichiarare su PDND gli e-services esposti da API manager

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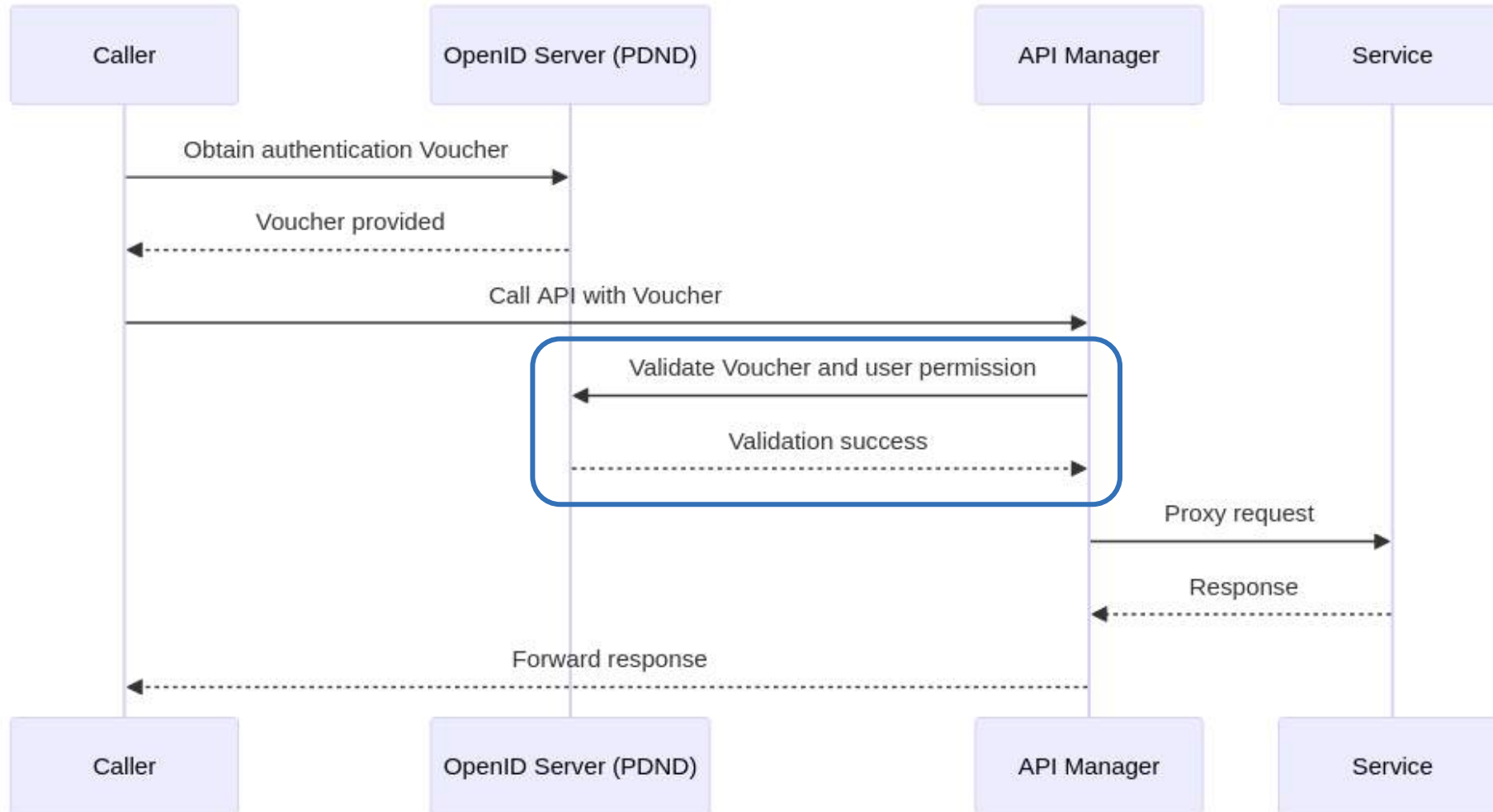
Caratteristiche della soluzione proposta

- **Gestione semplificata:** consente di gestire facilmente le API, inclusi la pubblicazione, la documentazione e la supervisione del loro utilizzo
- **Sicurezza e controllo degli accessi:** offre meccanismi robusti per la sicurezza delle API, inclusi controllo degli accessi, autenticazione e autorizzazione
- **Monitoraggio e analisi:** fornisce funzionalità di monitoraggio e analisi per tracciare l'utilizzo delle API, identificare i modelli di traffico e monitorare la performance complessiva

Non solo nel contesto PDND ma anche come strumento centralizzato di esposizione delle API esposte

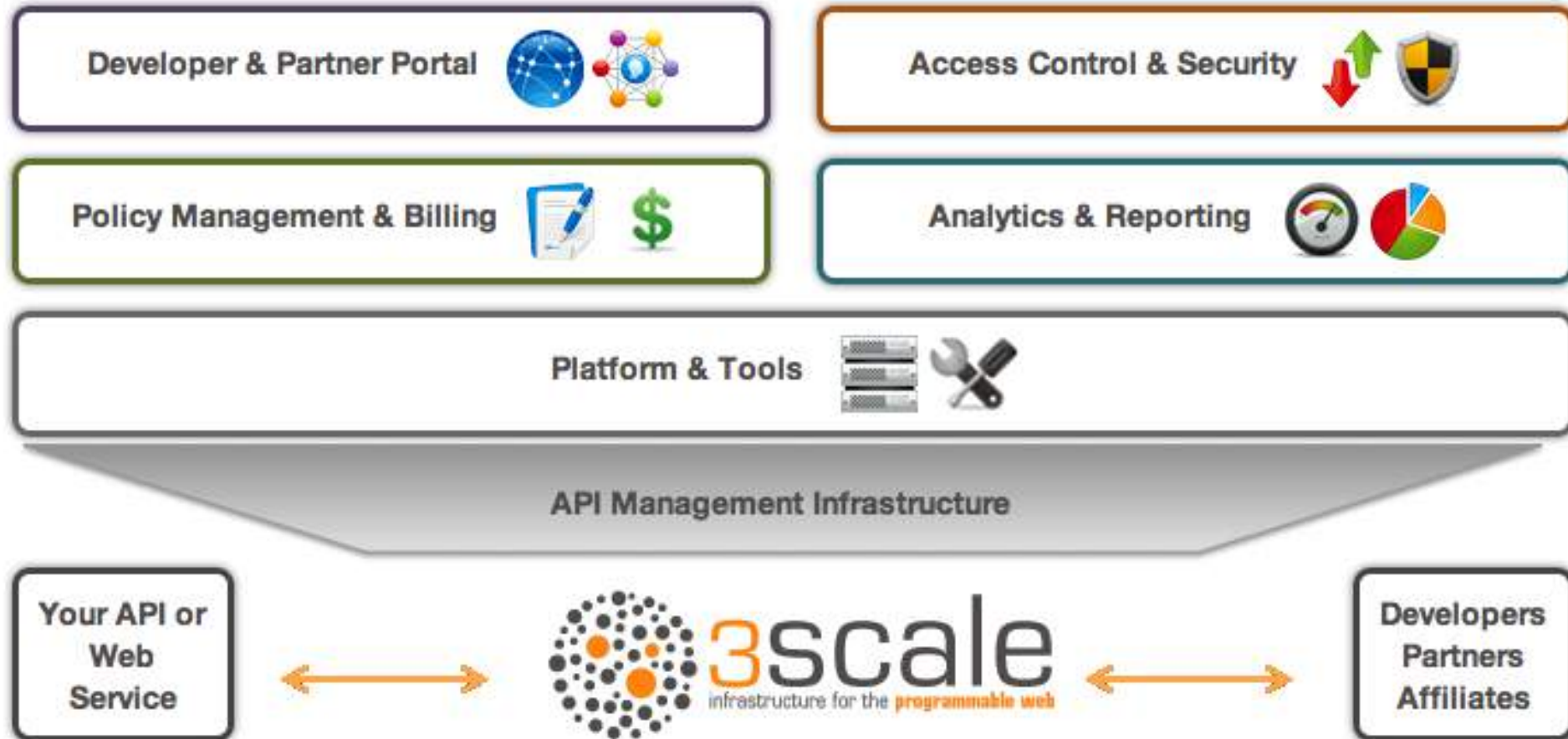
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Flusso delle chiamate



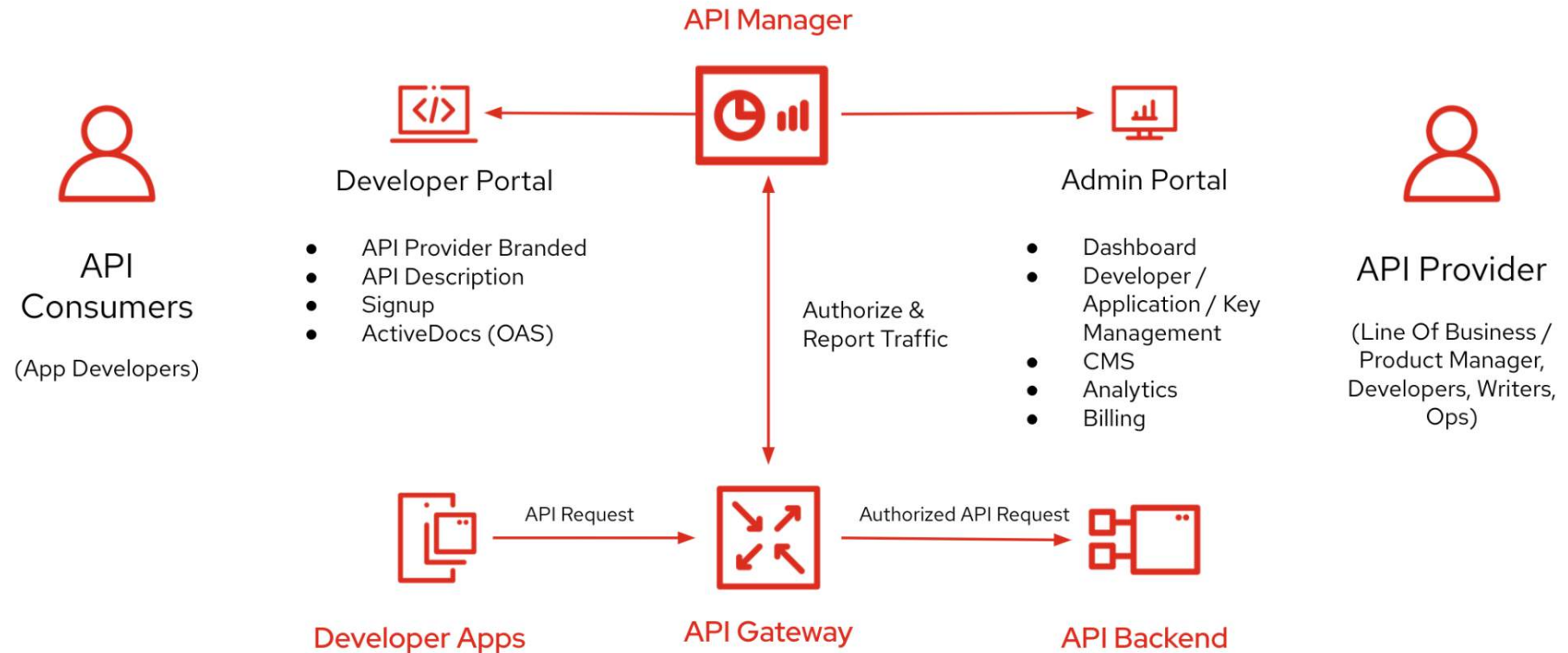
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Caratteristiche



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Caratteristiche



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Developer Portal: catalogo API

The screenshot shows the homepage of the Cineca API Developer Portal. The browser address bar displays 'portalapi.cineca.it'. The navigation bar includes 'CINECA', 'API CREDENTIALS', 'DOCUMENTATION', and 'SETTINGS'. The main content area features a large 'Cineca API' title over a background image of a hand writing on a document. Below this, there is a section titled 'Your API Key' with a search bar for 'CREDENTIALS' and a button labeled 'See your Applications & their credentials'. A 'Run your requests' section provides a curl command: `$ curl -v -H "x-api-key: secret-api-key" https://service-domain/ente/service/params`. Below the command are two panels: 'REQUEST' showing a GET request and 'RESPONSE' showing an HTTP 200 OK response with content type 'text/plain'. The footer contains the text '© 2023 CINECA. Powered by 3Scale'.

The screenshot shows the 'admin/applications' page of the Cineca API Developer Portal. The browser address bar displays 'portalapi.cineca.it/admin/applications'. The navigation bar is identical to the homepage. The main content area displays a table of API services. The table has four columns: 'NAME', 'SERVICE', 'CREDENTIALS', and 'STATE'. Each row includes a link to the service name and an edit icon. The footer contains the text '© 2023 CINECA. Powered by 3Scale'.

NAME	SERVICE	CREDENTIALS	STATE
Servizio Trasversali	Trasversali	f5362946ab870154f51de24607104b06	live
Servizio Finance	Finance	53c689f788e785f4da08ac62689ea24c	live
Servizio HR	HR	bf914d9a9c3be40c8881ce3c9b2d5e13	live

API Manager Cineca

Developer Portal: documentazione e test

The screenshot shows the main documentation page of the API Manager Cineca Developer Portal. The browser address bar displays `portal.api.cineca.it/docs`. The page features a blue header with navigation links for CINECA, API CREDENTIALS, DOCUMENTATION, and SETTINGS. Below the header is a search bar with the placeholder text "Search by the name of the API or the description...". The main content area lists three API services, each with a "published" status and a "Download" button:

- Hr Archiviazione Documenti**
Service: HR
Endpoint: `https://hr.api.cineca.it:443`
- Notification Manager**
Service: Trasversali
Endpoint: `https://trasversali.api.cineca.it:443`
- Servizi Rest In Time**
Service: Finance
Endpoint: `https://finance.api.cineca.it:443`

The footer contains the copyright information: © 2023 CINECA, Powered by 3Scale.

The screenshot shows the API test page for the "Archiviazione Documenti" API. The browser address bar displays `portal.api.cineca.it/docs?api=hr-archiviazione-documenti`. The page features a blue header with navigation links for CINECA, API CREDENTIALS, DOCUMENTATION, and SETTINGS. Below the header is a search bar with the placeholder text "Search by the name of the API or the description...". The main content area displays the API name "Archiviazione Documenti" and the version "Apache 2.0". A "Servers" dropdown menu is set to `https://hr.api.cineca.it:443`. Below the dropdown is a "Filter by tag" search bar. The "Documenti" section lists three API endpoints:

- GET `/{tenant}/archiviazione/v1/typi-documento` Ritorna la tipologia di documenti
- GET `/{tenant}/archiviazione/v1/documenti` Ritorna la lista di idAb filtrando per tipo documento e data pubblicazione
- GET `/{tenant}/archiviazione/v1/documenti/{idAb}` Ritorna la lista di tutti i documenti archiviati per un soggetto

The "Gestione file" section lists one API endpoint:

- GET `/{tenant}/allegati/v1/download`

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Admin Portal: Monitoraggio e Analisi

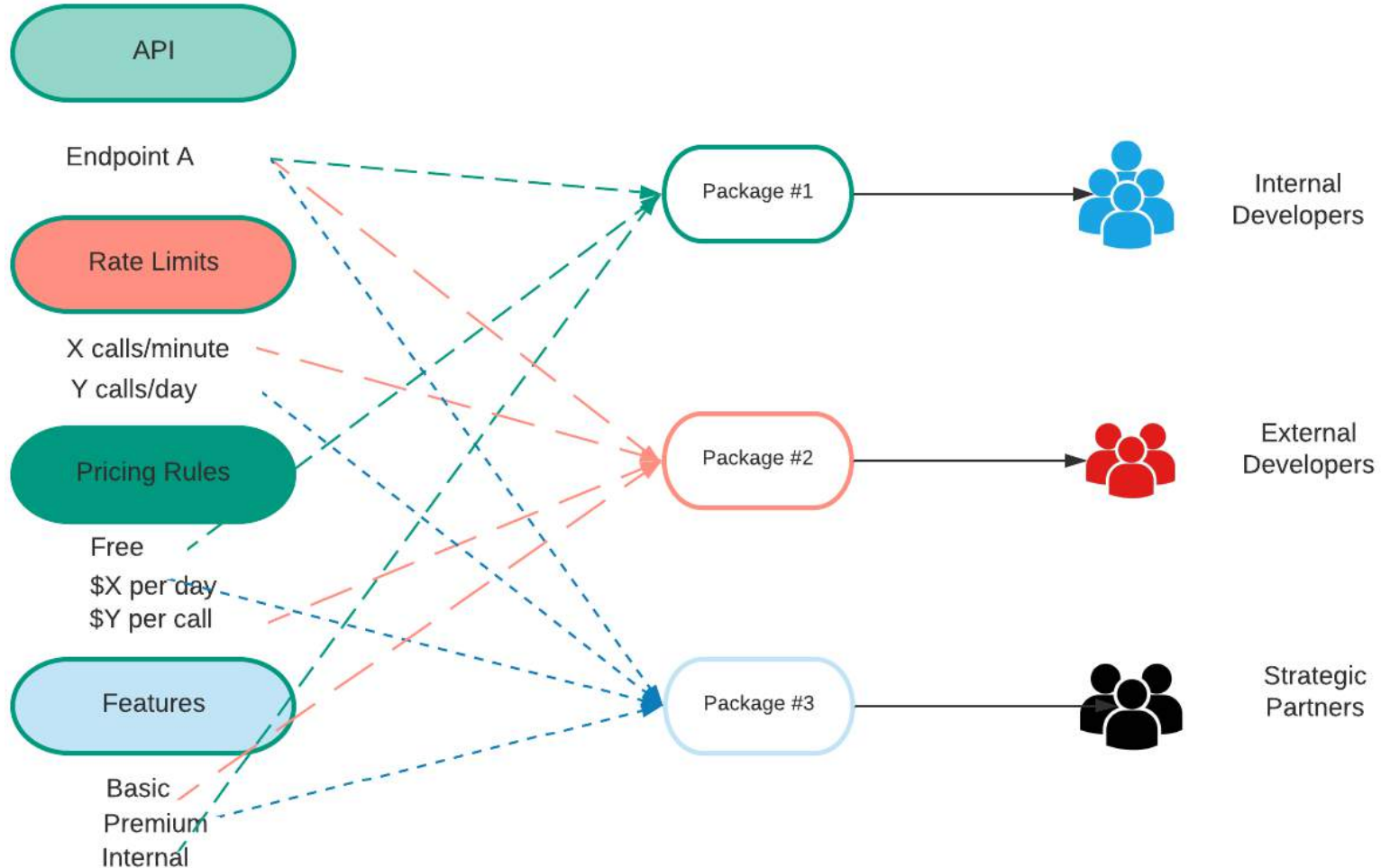
The screenshot shows the 'Overview' page for a service named 'Demo'. The page includes a sidebar with navigation options: Overview, Analytics, Applications, ActiveDocs, and Integration. The main content area is divided into several sections:

- Overview:** A table with fields for Name (Demo), System Name (demo), and Description (Prodotto con servizi demo).
- Latest Apps:** A list containing 'demo-application from DEMO'.
- Latest alerts:** A message stating 'There are no alerts.'
- Published Application Plans:** A list showing 'demo Application Plan - 1 application' and 'ente Application Plan - 0 applications'. A summary below states: 'You have 2 application plans (2 published) with a total of 1 live application.'
- Configuration, Methods and Settings:** Fields for 'Integrated through APIcast', 'Authenticated by API key', and 'ID for API calls is 12 and system name is demo'.
- Analytics:** A section with three line charts showing 'Hits' (0 hits), 'demo metri...' (12 ticks), and 'ente metrics' (9 ticks).
- Backends used in this product:** A search bar and a list entry for 'Echo' with the URL 'https://echo-api.3scale.net:443'.

The screenshot shows the 'Traffic' analytics page. The left sidebar is expanded to 'Analytics', with 'Traffic' selected. The main content area features a line chart showing usage over time. The chart is titled 'Traffic' and includes a dropdown menu for 'Show last' (24 hours, 7 days, 30 days, 12 months) and a date range selector ('from 01/10/2024 until 01/11/2024 per hour'). The chart shows a sharp increase in traffic starting around Jan 11 16:00, reaching a peak of 10.0 'ente metrics' at Jan 11 22:00. A tooltip for this peak shows 'ente metrics 0.0'. The chart also includes a 'Download CSV' button and a note about the time zone: 'Using time zone (GMT+00:00) UTC'. The footer of the page includes 'Support' and 'Version 2.13 - Powered by 3scale'.

API Manager Cineca

Accesso personalizzabile su varie dimensioni



A photograph of two people in business attire shaking hands. The image is overlaid with a semi-transparent blue circle on the left containing the word 'CINECA' and a semi-transparent blue parallelogram on the right containing the word 'Grazie'.

Grazie

CINECA