

ADriN

Application Driven Network Platform

Intent-Driven | Network-Aware | Developer-First



comviva
A TECH MAHINDRA COMPANY

Decoding modern enterprise needs

To power sustainable growth, enterprises are dynamically harnessing technology & advanced networks not just to transform but to ramp up operational efficiency & agility, enabling faster product rollouts and profoundly connecting with emerging customer demands. Each enterprise crafts its distinct digital narrative that fits into their business dynamics to revolutionize their customer experiences, elevate productivity, spark innovative revenue streams, uplift product quality, and carve out a formidable competitive edge in a fast-paced digital world.

In this journey, a generic connectivity & user experience approach doesn't really fit.

Potential solutions to address:

- **Poor return on technology investment**

Due to unmet application specific needs.

- **Lack of real-time insights**

On network usage and experience metrics.

- **Over-provisioned network and infrastructure**

To meet peak demand.

- **Compromised security and data management**

Arising out of multiple devices accessing network and generating massive data.

- **Maximize ROI**

Latency and bandwidth sensitive applications should be able to configure and control, network and edge, for guaranteed performance.

- **Enhance Enterprise User Experience**

Applications should be able to get real-time location, network, and consumer insights to elevate user experience.

- **Adapt on Demand**

Network and infrastructure usage should get prioritized and optimized based on application's need, on-demand, in real-time.

- **Zero Trust Security and Control**

Application partners should be able to use secure, user-friendly APIs with complete data privacy.

CHALLENGES

SOLUTIONS

With 25 years of experience in telecommunications and a profound grasp of diverse enterprise requirements, Comviva has introduced ADriN – expertly crafted to effortlessly bridge the gap between enterprise business dynamics & underlying connectivity.

Transform Your Enterprise Journey: *Unlocking Full potential of your network*

ADriN, is an API-driven and network-aware platform that redefines the way enterprises have utilized network resources before. It enables personalized user experiences based on the application & device 'intent' and business needs with real time network fulfilment.

Forget pre-defined one-size-fits-all network settings, ADriN empowers modern enterprises with intent driven experiences & committed experience assurance, fine tuned to dynamic business & customer requirements.



1

Intent Driven User Experience

ADriN empowers enterprise applications and devices to dynamically customize underlying network resources, shaping the experience with user intent and guaranteeing committed network experience metrics.

Significant cost reduction

ADriN reduces OPEX by bridging connectivity and user experience gaps, optimizing network performance and consumption all finely-tuned to business dynamics and priorities resulting in operational excellence.

2



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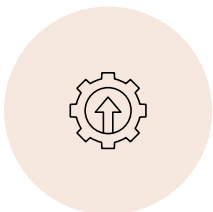
Strengthened Security and protected data

ADriN fortifies security using multi-factor authentication, robust encryption, role-specific access, and localized data storage to ensure data privacy.

Supreme Top Line Growth

ADriN accelerates new service rollouts, promoting agility and innovation. Customized experiences boost both revenue and customer satisfaction.

4



5

Maximized productivity, efficiency and ROI

Unlocks the full potential of your network and technology stacks, from seamless automation to insightful telemetry, by onboarding real-time network intelligence with 5G, 4G, and Wifi6.

The ADriN Edge



Intent Driven Framework

Seamlessly discovers and decodes user (app-device) intent with event triggering, complemented by data-driven workflows, event listeners, data adaptors and precise API mapping.



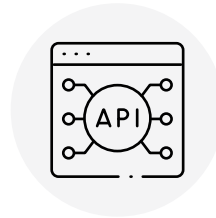
Zero Trust Security Suite

Through proactive vulnerability scanning, OAuth 2.0 authentication, role-based access controls, data encryption, and vigilant monitoring accompanied by timely alerts.



Actionable Insights

Comprehensive network performance metrics to visualize network efficiency, usage, and experience fulfilment patterns with proactive downtime predictions, adaptive mitigation modelling and holistic health overview of network and applications.



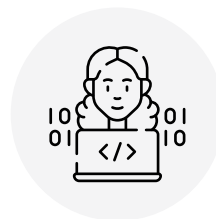
Network API as a service

Unlock the power of your network through comprehensive Service API Catalogs, embracing tech convergence (5G, 4G or wifi6). Drive real-time network adaptations and service fulfilment with amplified on demand experiences empowered by network-aware applications and devices.



Network Discovery and Exposure with Policy Rule mapping

Enables rapid network discovery and offers real-time access to network assets and resources with location and device insights, fostering advanced decision-making. Moreover, its policy and rules align perfectly with business logic, streamlining app-device management.



Developer first platform

Offering simplified, intent-driven APIs and Custom API support through a robust developer portal, canvas to design, test, and launch new services faster, ensuring seamless tailored user experience optimized to your business dynamics .

Why ADriN

Simplify

Streamline complex network interactions for effortless network awareness onboarding.

Modernize

Empower network-aware applications, delivering unmatched user experiences.

Accelerate

Propel your productivity, operational excellence, and growth by building a communication between applications and the network.

Single Platform *-Serving multiple industry needs*

Application Areas

Industry 4.0	AR/VR	V2X	Immersive Streaming	Real-time Gaming
Drone as-a-service	Health Care	High Speed Connectivity	Smart City	Automotive

Enterprise Portal

Enterprise Application

Vertical Industry

Hyperscalers

Experience Canvas

Enterprise Portal

Partner Portal

Subscription Management

Catalog

Developer Portal

Exposure Function

Publisher Portal

Design Studio

Platform Core

Intent Manager

API Manager

Policy Manager

Device Record

Data Analytics Function (DAF)

Billing and Payments

Settlement

Notifications

South Bound



Network Discovery



Services Aggregation



Outbound n/w Function

Underlying Network and Cloud Elements

CONTROLLING AND CONFIGURING NETWORK AND INFRA PROCEDURES, CONSUME NETWORK INTELLIGENCE - ON REAL TIME
NETWORK API, OPERATOR API



RAN



CORE

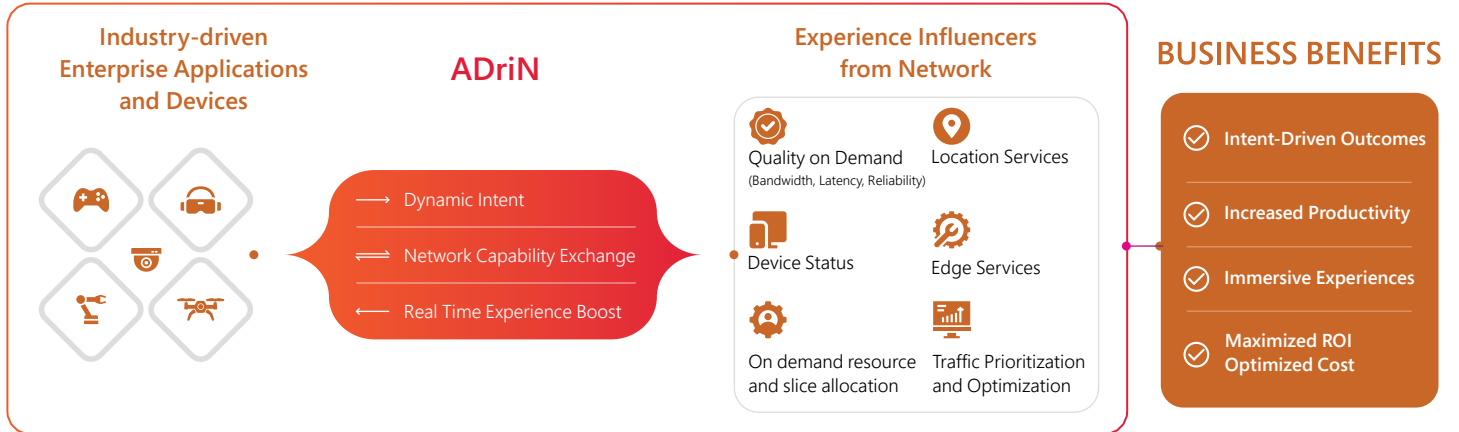


EDGE

How it Works:

Serving Enterprise and Industry Needs

ADriN elevates outcomes by delivering real-time 'Experience Boosts' through the alignment of network capabilities with app/device intent, thereby enhancing customer experience and productivity.



Empowering Enterprise Success *with ADriN*

Across various industries, ADriN empowers apps and devices with “Network-Intelligence,” fueling growth, value, productivity, and immersive customer experiences.



Industry 4.0

High Capacity,
Low Latency

Digital Twins • Machinery Robots
• Internet of Things • Video Analytics
• Inventory Management



Health Care

> 99% Reliability

Remote Patient Monitoring
• Teleconsultation • Emergency
Response Systems



Automotive

Low Latency,
High Mobility

Telematics and Vehicle Tracking
• Infotainment and Connectivity
• Real-Time Traffic Updates • Vehicle
Maintenance and Notifications



Media and Entertainment

Low Latency,
High Bandwidth

AR/VR • Content delivery On Demand
• Immersive Video • Cloud Gaming



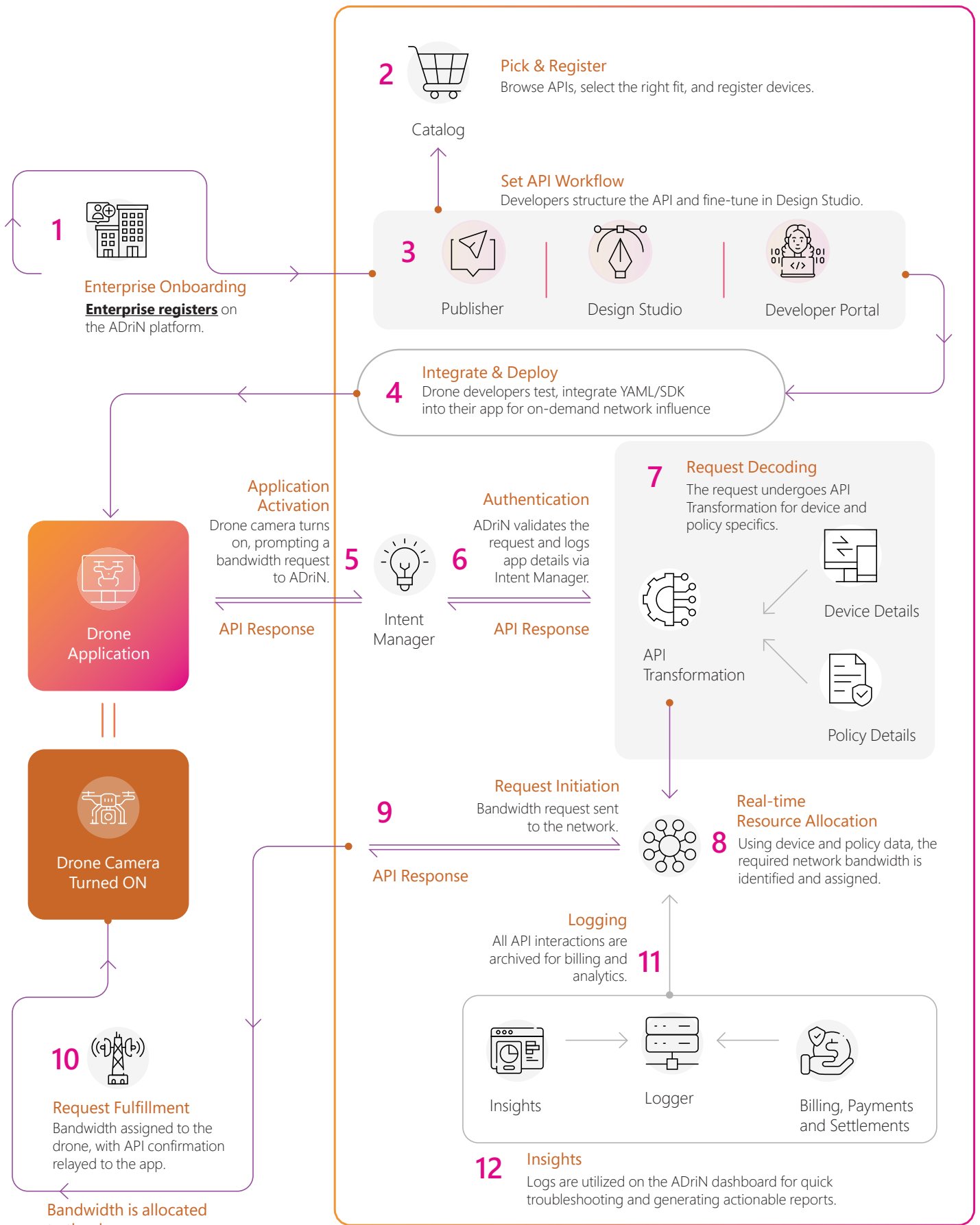
Smart City

High Mobility

Intelligent Transportation Systems
• Public Safety • Emergency Services
• Drone Surveillance

A sneak-peek into your journey with ADriN

ADriN





Comviva simplifies business complexity. Our innovative portfolio of digital solutions and platforms brings greater choice, faster time to market and flexibility, to better meet the evolving needs of our customers as they drive growth, transform, and bring efficiency. From maximizing customer lifetime value to enabling large-scale digital transformation, we partner globally with organizations in the communications and financial industry to solve problems fast and transform for tomorrow. Comviva solutions have been deployed by over 130 Communication Services Providers and Financial Institutions in more than 90 countries and have delivered the benefits of digital and mobility to billions of people around the world. Comviva is a completely owned subsidiary of Tech Mahindra and a part of the Mahindra Group. For more information.

Visit us at www.comviva.com

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1400+ Employees

EMEA

71 Countries
200+ Employees

AMERICAS

14 Countries
100+ Employees



ADriN

Pioneering Networks, Fueled by Intent