Standalone 5G architecture for end-to-end 5G deployment

5G network architecture is more service-centric than traditional legacy networks. Service based architecture depends on cloud or virtual network functions which facilitates virtualization and network slicing. This makes decoupling of network functions possible and highly beneficial which further enhances system modularity. Such telco disruption is what makes 5G standalone architecture networks unique & profitable for telcos.

Csmart 5G standalone architecture

Our digital BSS platform- Csmart 5G suite is cloud & PaaS agnostic with microservices architecture which enables the service-centric 5G network architecture. With API-first approach, Csmart reduces complexity of operations, allows easy integration to external systems & 3rd party applications. With many such features, Csmart helps CSPs of any size deliver innovative 5G-IoT services that are both monetizable & profitable.

Csmart 5G features:

5G-capable dynamic digital BSS stack

Csmart is 5G-ready and TM-Forum ODA aligned platform, that can rapidly achieve concept to cash journey. It has a state-of-the-art order fulfillment system for pre-integration with 5G network elements. This dynamic digital BSS stack consists of containerized microservices with auto-scaling/de-scaling functionality.

Easy 5G integration

Csmart comes with open APIs to integrate with other components of the telco ecosystem. Our Csmart's Digital Exchange supports a configuration driven approach to support plug & play integrations.

Complete customer experience & value management

With our platform's CRM, e-Shop/Care and Mobile App modules, we provide an omnichannel personalized, retail shop experience which results in a smoother & complete digital customer experience and value management.

Quick partner onboarding & offerings launch

With market demands rapidly evolving, CSPs can quickly launch innovative offerings in response to such demands with Csmart's centralized product catalog.

We have designed the key capabilities of such offerings to be 5G-centric - Offer personalization, partner offer bundling, model for 5G slice-based services, etc. Further, partnering and launch of such innovative services is made easy with Csmart's Digital Marketplace.

Zero touch automation & analytics implementation

Csmart enables CSPs of all sizes to leverage 5G with digital transformation. Our SaaS organization has been digitalizing communication enterprises for over a decade. We ensure that the transformation is carried out with smooth migration & transition as well. With DevOps support, Covalensedigital ensures efficient automation. Our advanced data analytics product, Csmart Aspen, further helps CSPs implement analytics to track, manage and utilize customer data.

5G revenue model support

Categorized by requirement, Covalensedigital provides customized 5G monetization models. We have designed offers for partners providing consumer solutions and offers for businesses providing industry solutions, and various other combinations of connectivity with offers for MVNOs, etc.

Our digital SaaS platform is 3GPP 5G standard compliant, highly scalable, with convergent policy and charging engine to support various 5G real time charging needs.

Csmart 5G Solution: Unlocking 5G opportunities

Enter the forefront of telecom innovation. In the dynamic world of 5G, discover Csmart 5G Solution — a cloud & PaaS agnostic solution. This microservices-based architecture enables the service-centric 5G network architecture. Csmart API-first approach, reduces the complexity of operations, allows easy integration to external systems and third-party applications. With many such features, Csmart helps service providers of any size deliver innovative 5G enabled BSS services that are both monetizable and profitable.

From Mobile Virtual Network Operators (MVNOs) to Mobile Virtual Network Enablers (MVNEs) to private network deployments, the 5G landscape is diverse and dynamic. In this rapidly evolving digital ecosystem, Csmart stands as a beacon of innovation, poised to empower service providers across the spectrum.

Csmart seamlessly integrates with UCaaS, offering smart digital services enhanced by the power of 5G technology. This partnership enhances communications by offering fast, reliable

capabilities for applications ranging from video conferencing to real-time data analytics, significantly reducing latency and boosting connectivity.

To know more visit: [Covalensedigital](#)

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