iDAS
INTELLIGENT DATA AGGREGATION SERVER

DATA SHEET

NextGate has enhanced, and evolved its KLAS rated, vendor agnostic identity management platform, Match-Metrix®, into an enterprise application enabling platform that liberates data in order to transform healthcare.

This new platform is called iDAS, the Intelligent Data Aggregation Server. iDAS is designed for health care environments with multiple heterogeneous applications and data platforms.
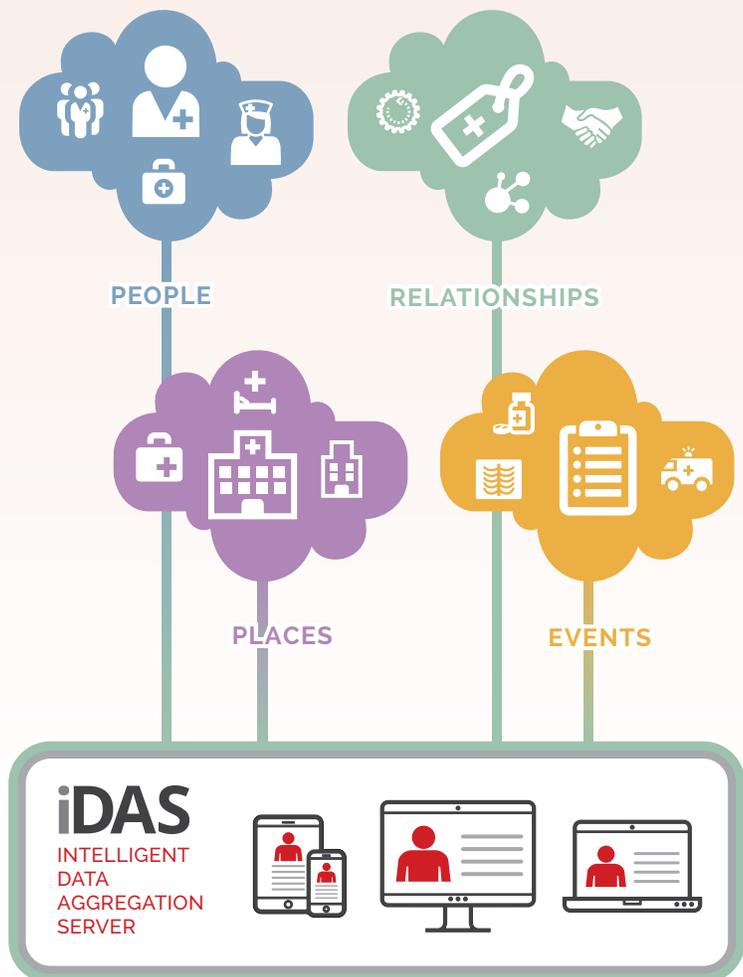
Use Your Data, Intelligently

iDAS allows healthcare organizations to aggregate data which are currently in multiple silos, be it EMRs, HISs, or even analytics or case management silos.

This **data liberation** is centered on the premise that data needs to be organized intelligently around people, places and events, which can then be correlated through a relationship management engine.

The goal is to empower organizations to rapidly create and deploy applications in response to the changing healthcare landscape by supporting an enterprise level architecture that mobilizes an organization's data to deliver it to the right people at the right time.

Identify, connect and relate any data from any system across the enterprise

PEOPLE

RELATIONSHIPS
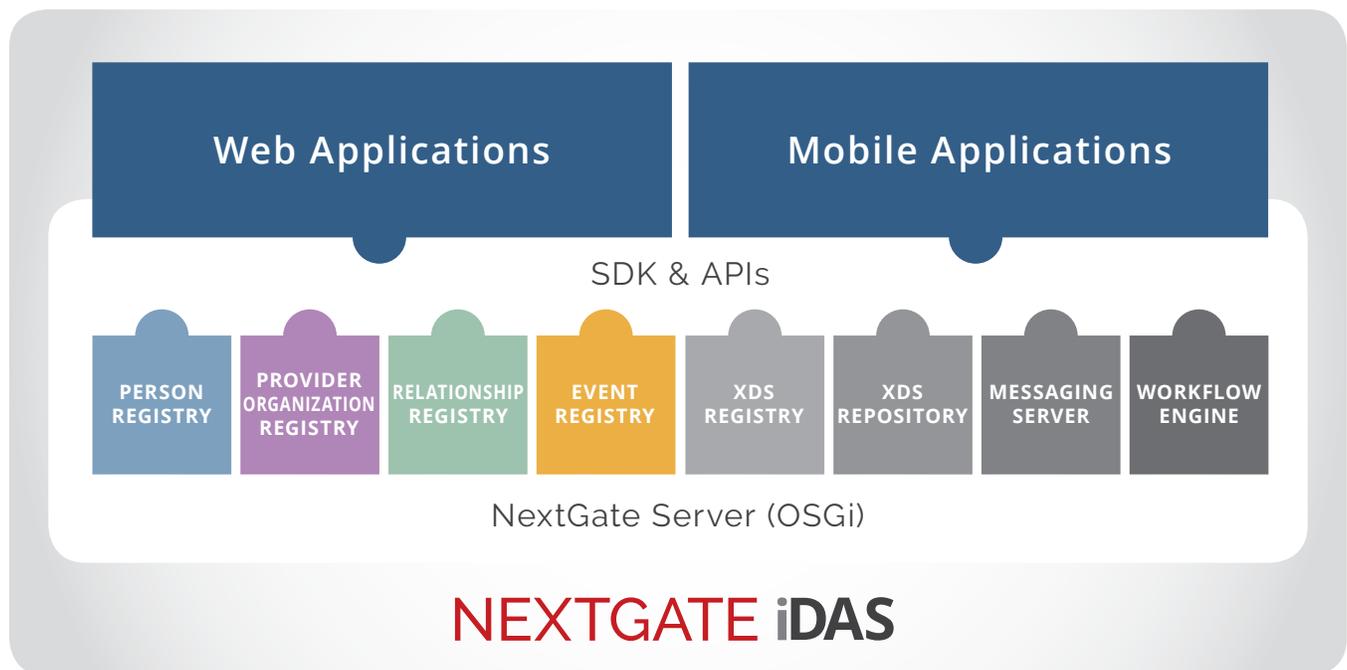
PLACES

EVENTS

iDAS
INTELLIGENT
DATA
AGGREGATION
SERVER

iDAS

iDAS Architecture

iDAS is comprised of NextGate's KLAS® rated Identity Management technology, integration layer, and sophisticated relationship management engine.

iDAS is built on an open architecture and is comprised of the following core components:

- Enterprise Master Patient Index
- Provider and Organization Registry and Directory
- Event Registry
- Relationship Registry
- Messaging server (NGMS)
- XDS Registry and Repository
- Workflow engine

Web Applications | Mobile Applications

SDK & APIs

PERSON REGISTRY | PROVIDER ORGANIZATION REGISTRY | RELATIONSHIP REGISTRY | EVENT REGISTRY | XDS REGISTRY | XDS REPOSITORY | MESSAGING SERVER | WORKFLOW ENGINE

NextGate Server (OSGi)

NEXTGATE iDAS

Aggregate Existing Data

To enhance the already robust capabilities of the platform, iDAS is able to call into and utilize the rich capabilities of semantic interoperability engines to harmonize unstructured and structured data.

NextGate then serves the data up through APIs to enable web and mobile applications.

iDAS is built on flexible, healthcare specific data models which aggregate data in a variety of registries, making it easy to access the data it aggregates for use by applications like case management, population health, patient facing portals, clinical event notification, and the like.

iDAS stores clinical documents, and patients' consent(s) in an **IHE compliant XDS Registry and Repository for simplified clinical data exchange.**

iDAS

INTELLIGENT DATA AGGREGATION SERVER

KLAS CATEGORY LEADER 2014

Provide greater insights into the relationships of your data

iDAS uses graph database technology to intelligently link and organize enterprise information into useable and insightful information. iDAS consumes existing message traffic via its integration layer and builds panoramic views of patient data and events.

iDAS allows an enterprise to harness data relationships to answer fundamental and challenging questions such as:

❯ Who is on the patient's care team for this specific visit?

❯ Where do I send test results and critical information?

❯ What occurred during a previous encounter?

❯ Who is the patient's PCP so I can share care transition information?

❯ What are the patient's consent requirements?

The Event-Relation Registry supports dynamic evolving schemas and is designed for analyzing interconnections across massive data sets. It is populated by current message traffic through NextGate's integration layer (NGMS).

Patients, Providers, Organizations and other entities are represented as "vertices"; "edges" between the vertices represent key relations. To realize the intricate graph of entities and their relations, "events" are analyzed and curated into intelligently organized aggregations. By connecting data in this way, it allows NextGate to leverage the full potential of the data assets and supply users with the best information.

ABOUT NEXTGATE

NextGate uses its market leading expertise in patient and provider identification to connect the healthcare ecosystem by accurately identifying and linking patient and provider data. NextGate's EMPI technology, rated No. 1 by KLAS, is deployed by the nation's most successful healthcare systems and health information exchanges to manage more than 175 million lives. This technology helps organizations deliver higher quality, better care coordination and greater business and clinical efficiencies. **To learn more, visit NextGate.com**