CAMPUS℠
MANAGEMENT

CAMPUSNEXUS ARCHITECTURE

TRANSFORM YOUR INSTITUTION WITH CAMPUSNEXUS

CampusNexus Architecture

Higher education institutions today are seeking technology solutions that can help them transform in response to increased competition, reduced funding, and greater accountability for student outcomes. CampusNexus® is that next-generation solution. It features an evolutionary and agile architecture that provides the foundational tools that institutions need to thrive in this new era. The solution provides a best-in-class student information system, constituent relationship management platform, and ERP solution designed to enable higher education institutions to grow and succeed on their terms.

BUILT ON MICROSOFT TECHNOLOGIES

CampusNexus® is built using the Microsoft technology stack. With Microsoft's reputation for providing enterprise ready tools and platforms, along with Campus Management's history in higher education, the full solution provides a powerful platform for CampusNexus. The underlying architecture of CampusNexus leverages:

- Microsoft .NET® as an application foundation
- Microsoft SQL Server® as a database platform
- Microsoft Windows Workflow Foundation to extend functionality
- Microsoft Power BI for business intelligence
- Microsoft Azure for its cloud/SaaS environment

EVOLUTIONARY REFERENCE ARCHITECTURE

CampusNexus has a modern architecture designed for maximum extensibility to enable institutions to execute their strategic playbooks, while at the same time providing control, scalability, performance, and supportability. Whether you are an existing Campus Management customer or new to us, rest assured that with our proven approach to delivering additional architectural features over time, there will be minimal impact to your business operation. Highlights of the Reference Architecture within CampusNexus include:
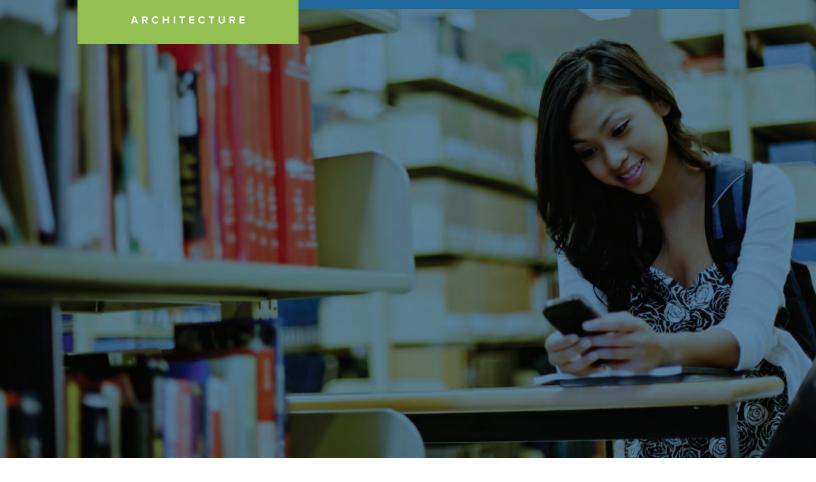
Presentation Layer – Provides a modern and responsive design that scales and functions across devices in order to accommodate users who may be at work, at home, or on-the-go.

Data Layer – Provides a higher education centric data schema with extensibility for detailed analytics, dashboards, and inter-system integrations supporting self-service business intelligence and ad-hoc "slicing and dicing" of data.

Event-Driven Architecture – Provides an open and extensible methodology for business processes to raise and subscribe to events. The Event Driven Architecture (EDA) supports Workflow as an out-of-the-box subscriber, but it can also publish messages to a Service Bus or Enterprise Application Integration (EAI) platform.

Application Components – Provides features for maximizing functionality and usage across the CampusNexus® product suite. These include:

- **Workflow** – Extend CampusNexus business processes in order to adapt to the needs of today and tomorrow. Use Workflow to visually compose and track these processes, and involve both systems and people as participants in automated processes.
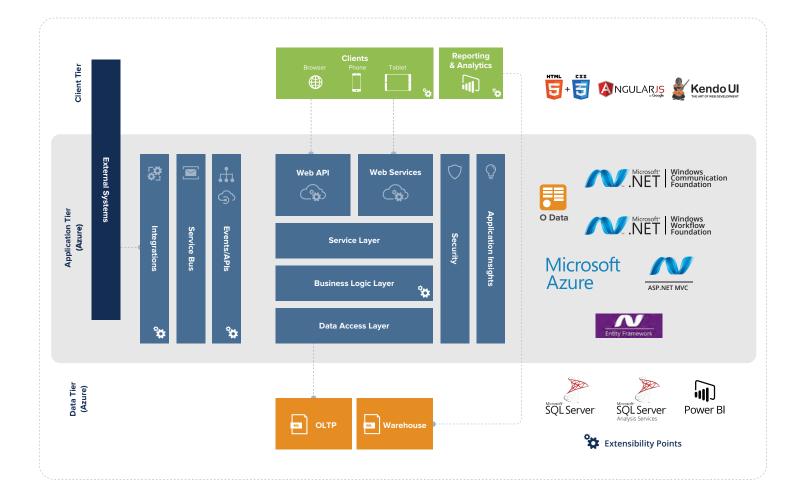
• **Portal** – Allow constituents to participate in key processes while enabling self-service capability to manage data.

• **Forms Builder** – Develop dynamic forms with embedded business logic to create your own extended user interfaces to CampusNexus data and expand self-service capabilities. Deploy forms as standalone applications or embed as part of portals. Forms Builder is integrated with Workflow to provide capabilities for composing sequences as well as monitoring and tracking form usage.

• **Service Catalog** – Leverage a broad set of APIs, Web Services, and Data Services to facilitate integration with external systems.

• **Business Intelligence & Analytics** – Gain greater insight through a data warehouse with analytic views across a range of operational metrics and powerful interactive visualization tools from Microsoft Power BI.

EASY TO USE

CampusNexus incorporates Microsoft's best practices for modern design, and therefore presents a user-friendly experience. It provides a simple user interface with a similar user experience across devices, and leverages many of the concepts with which you're already familiar – namely tiles, semantic zoom, gesture-based touch functionality, and responsive design. CampusNexus is a platform designed for maximum productivity and efficiency.

CAMPUS
MANAGEMENT

Client Tier

Application Tier (Azure)

Data Tier (Azure)

Clients
Browser
Phone
Tablet

Reporting & Analytics

External Systems

Integrations

Service Bus

Events/APIs

Web API

Web Services

Service Layer

Business Logic Layer

Data Access Layer

Security

Application Insights

OLTP

Warehouse

O Data

Microsoft .NET — Windows Communication Foundation

Microsoft .NET — Windows Workflow Foundation

Microsoft Azure

ASP.NET MVC

Entity Framework

Microsoft SQL Server

Microsoft SQL Server Analysis Services

Power BI

Extensibility Points

The solution offers clean, uncluttered, and fast screens, minimizes typing, and can automatically notify the user of new and updated information. As a result, users interact with the content rather than with controls that represent that content. CampusNexus® includes a number of process-oriented user-interface configurations, such as Recruiting and Admissions, but can also be tailored to your unique needs using Forms Builder, Workflow, and the EDA. Using these and other CampusNexus tools, additional business processes can be created to suit your needs as well.

FLEXIBLE DEPLOYMENT OPTIONS

Whether you choose to deploy CampusNexus in the CampusNexus Cloud or as part of your own managed infrastructure, CampusNexus is the solution that helps you provide the best experience to students of today and tomorrow.

OPEN ARCHITECTURE

CampusNexus includes an expansive Service Catalog of APIs, Web Services, and Data Services that enables extension of the system and integration with your preferred third-party applications.

With Web Services, your institution can easily align with diverse infrastructure and control requirements. Data Services allow for the query and consumption of data while maximizing performance, efficiency, and support for integration with multiple data providers. These CampusNexus architectural components help ensure that data moves between systems as needed, eliminating data silos and supporting data stewardship goals.

ADAPTABLE TO YOUR ENVIRONMENT

Built on a foundation of Microsoft technologies, CampusNexus® solutions are preconfigured to support key operational processes based upon Campus Management's vast experience in higher education.

The powerful Event Driven Architecture and the expansive Application Components enable you to modify and extend these processes, as well as create new ones as your needs evolve.

The openness of CampusNexus enables your institution to transform dynamically in response to a rapidly evolving higher education landscape.

"I'M EXCITED ABOUT CAMPUSNEXUS AND WHAT IT BRINGS IN TERMS OF A NEXT GENERATION TECHNOLOGY SOLUTION."

Tom Ashbrook
Executive VP and CIO
Bridgepoint Education

The CampusNexus architecture allows you to adopt new business models as your student and operational needs evolve.

CampusNexus offers solutions for transforming student, workforce, and operational success.

Transform Academic Delivery

- Provide flexible academic terms and financial aid packaging
- Offer online and on-ground programs from one platform
- Enable institution's policies and processes through configuration

Transform Student Success

- Engage your constituents across the student lifecycle
- Attract, serve, and retain lifelong students
- Provide the right information at the right time to foster success

Transform Operational Efficiency

- Optimize your institutional funds and resources
- Make real-time data-driven decisions across your institution
- Gain insight into your academic programs and return on value

YOUR TRANSFORMATION PARTNER

Campus Management develops strong relationships with client institutions and provides exceptional services in support of its solutions, including:

- CampusNexus® Cloud options for cost-effective hosted solutions

- Managed Services programs to augment your staff's skill-sets, provide technical assistance and disaster recovery, and protect your investment

- Implementation packages designed to meet your institution's goals, timelines, and budgets

- Project management services to facilitate communications across the organization and oversee the progress of your implementation

- Training and consulting to enhance your use of the products and extend your ROI

- Customer support with expanded hours to cover multiple time zones

- Self-paced, asynchronous classes on products and industry topics through the Campus Management Learning Center

- Networking & training at CampusInsight, Campus Management's Annual Users Conference

"WE ARE CONFIDENT THAT CAMPUSNEXUS WILL ENABLE LANCASTER BIBLE COLLEGE TO CONTINUE TO GROW AND SERVE OUR STUDENTS IN A SUSTAINABLE MODEL."

Vincent Johnson
Vice President of Information Systems
Lancaster Bible College

CAMPUS
MANAGEMENT

TRANSFORM YOUR INSTITUTION WITH CAMPUSNEXUS

CAMPUS℠
MANAGEMENT

About Campus Management Corp.

Campus Management is a leading provider of cloud-based SIS, CRM and ERP solutions and services that transform higher education institutions. Today, more than 1,100 institutions in over 30 countries partner with Campus Management to transform academic delivery, student success, and operational efficiency.

campusmanagement.com

5201 Congress Ave.
Boca Raton, FL 33487

1.866.397.2537
+1.561.923.2500