

Architecture Workgroup

Charter & Objectives

The purpose of this workgroup is to describe an architecture (applications architecture, data architecture, and integration architecture) that supports the HTNG vision, and would provide guidance and direction to software vendors and hospitality companies alike in choosing and designing applications that support the vision. Key features of the HTNG vision include application integration, interoperability, stability, flexibility, scalability, and adaptability.

Business Benefits

- Scalable, global solutions leveraging best practices.
- Highly interoperable, multi-vendor environments using best of breed solutions.
- Leveraging SOA and SaaS to maximize functionality across business and functional units.
- Minimizing rollout expenditures through standardization.

Past & Planned Deliverables

- HTNG Architecture Principles (see reverse)
- HTNG Generic Standards for Interoperability
- HTNG Standard Architectural Framework
- Hospitality Industry Reference Architecture

Participants

Agilysys
Amadeus Hospitality
Borgata Hotel Casino and Spa
Cognizant Technology Solutions
EDS
Galaxy Hotel Systems
Hotel Booking Solutions
IBM Corporation
InfoGenesis
Infor
Infosys Technologies Ltd.
InterContinental Hotels Group
Knowcross Solutions Pvt. Ltd.
LodgeNet Entertainment Corporation
Marriott International
MTM Luxury Lodging
Omni Hotels
PAR Springer-Miller Systems
Qualex Consulting Services, Inc.
Sabre Holdings Corp.
SoftBrands
Systems Design & Development, Inc.
Teradata
Wipro Technologies

HTNG Architectural Principles

1. Architect for Agility

- Our architecture is designed to be agile, giving the ability to efficiently and quickly adapt and respond to changing environments and requirements.

2. Data is Managed and Accessible

- Data is accessible and usable through well defined means within security constraints.

3. Separation of Concerns

- Our architecture is designed to work as a collection of distinct components with minimal overlapping functionality following the "Separation of Concerns" general design principle.

4. Reference Open Standards

- We create new standards only if there are no existing open standards that meet our needs.

5. Technology Independence

- This architecture will focus on identification and specification of core business solution architectural components and their interoperability.

6. Interoperability

- Architectural components conforms to open standards that promote interoperability for data, applications and technology.

7. Globalization

- Applications are architected to adapt to the global environment, supporting multiple languages, alphabets, currencies, customs, laws, international standards, and time zones.