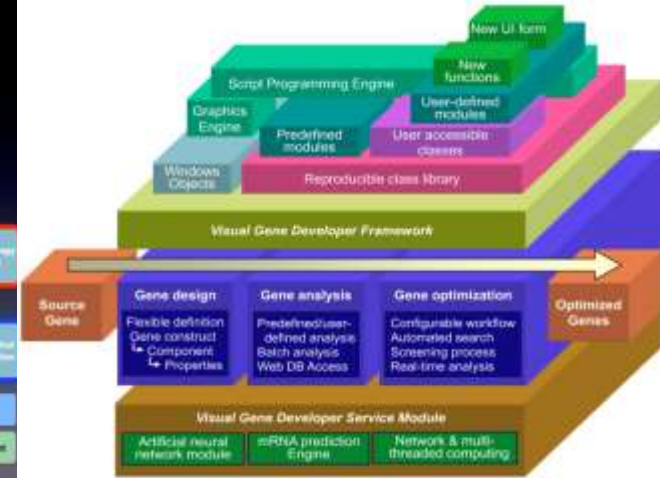
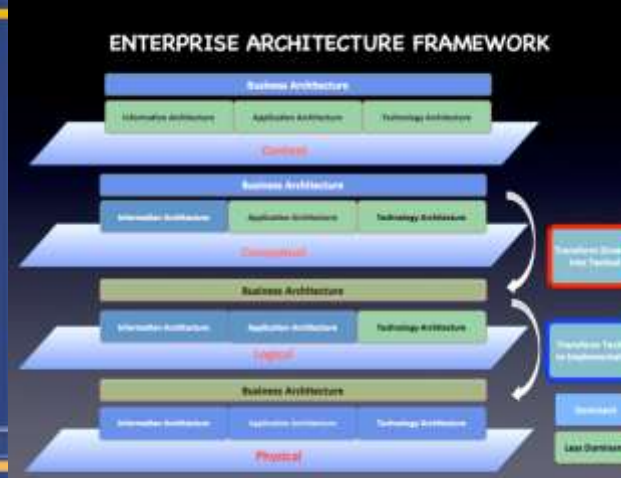
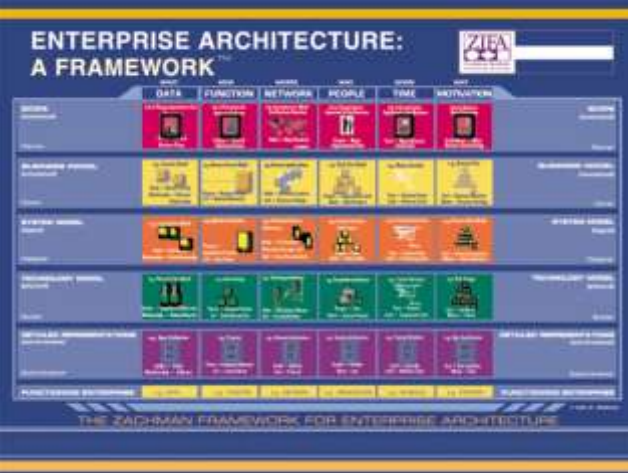


A landscape photograph featuring a vast, flat green field in the foreground, a clear blue sky in the background, and a branch with leaves and small dark fruits in the top left corner.

IT Architecture Landscape

IT User ? or IT Provider?



VS



What does *Architecture*
means to you?

1

“IT Architecture is a system’s fundamental organization, embodied in its **components** their **relationship** to each other and the **environment** and the principles guiding its design and evolution”

ANSI/IEEE 1471-2000

2

“Enterprise Architecture is the **organizing** logic for key **business processes** and IT capabilities reflecting the integration and standardization requirements of the firm’s **operating model**.”

MIT Center for Information Systems Research

3

“The software architecture of a program or computing system is the structure or structures of the **system** which comprise software **elements** the externally visible properties of those elements, and the **relationships** among them”

Software Architecture in Practice (2nd edition), Bass, Clements, Kazman; Addison-Wesley 2003

4

“Software Architecture is the set of structures needed to reason about the **system** which comprises software **elements**, **relations** among them, and properties of both”

Documenting Software Architectures: Views and Beyond (2nd Edition), Clements et al, Addison-Wesley, 2010

components

relationship
environment

organizing
processes

model

business

operating

system
elements

system
elements

relations

relationships

IT ARCHITECTURE

COMPONENTS

RELATIONSHIP

ENVIRONMENT



**LANDSCAPE OF
IT ARCHITECTURE**

Framework

Framework contains common or best practices of creating and using IT architecture in a particular domain.

TOGAF, DODAF,
MODAF, FEAF,
Zachman Enterprise
Architecture Framework
etc

Tools

Technology to support the implementation of the framework.

IBM Technology, Cisco
Technology, Oracle
Technology, Microsoft
Technology, Java & .NET
platform

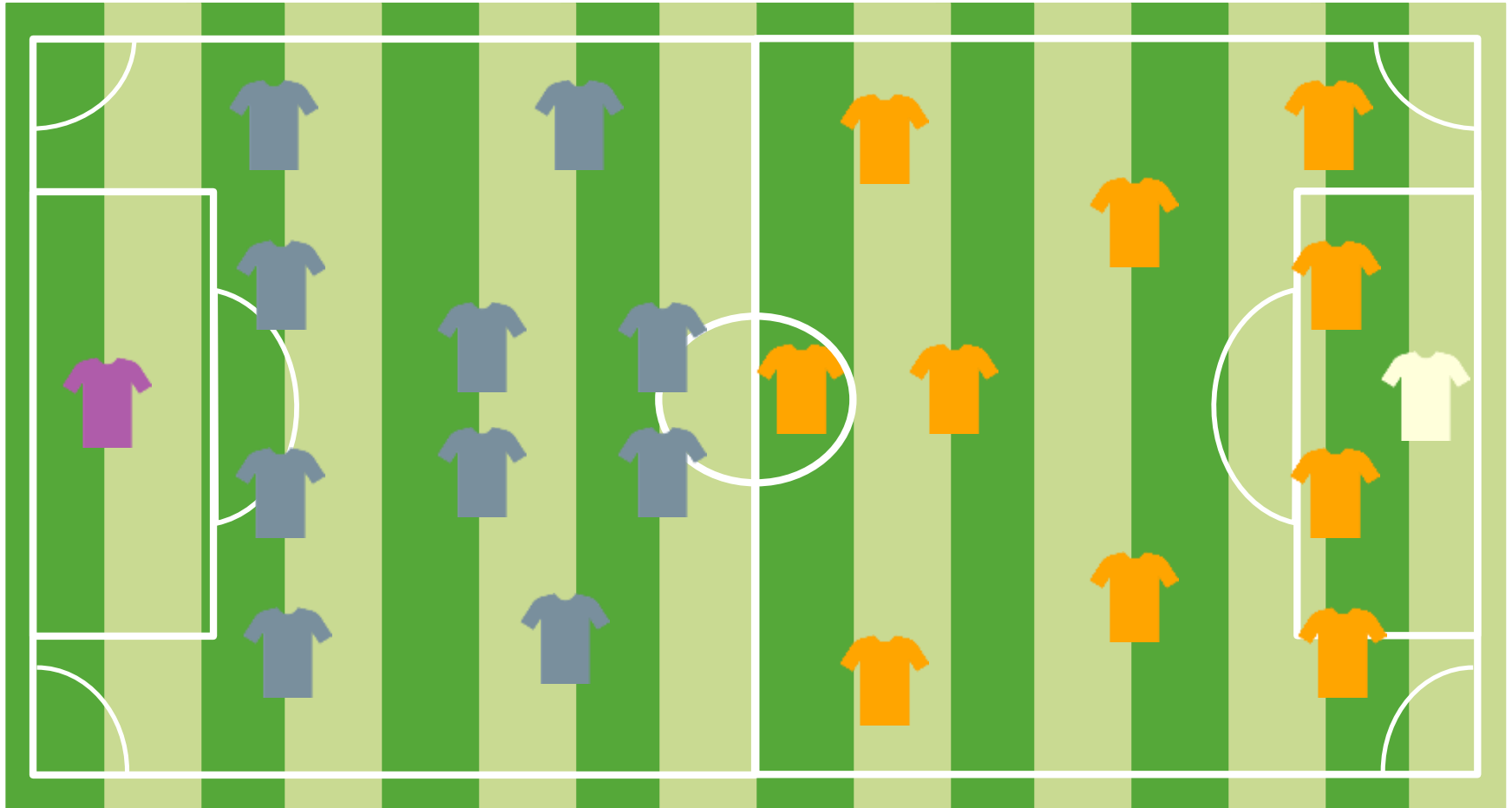
Skill Sets

IT Architecture skills based on IT Architecture Body of Knowledge.

Design, Human
Dynamics, Quality
Attributes, IT
Environment, Business
Technology Strategy

Framework

Formation of Soccer



4-4-2

4-2-3-1

Technology

Tools to Train the Player



Skill Set

Individual skill





An Association
for All IT Architects

“Iasa is the premier association focused on the architecture profession through the advancement of best practices and education while delivering programs and services to IT architects of all levels around the world.

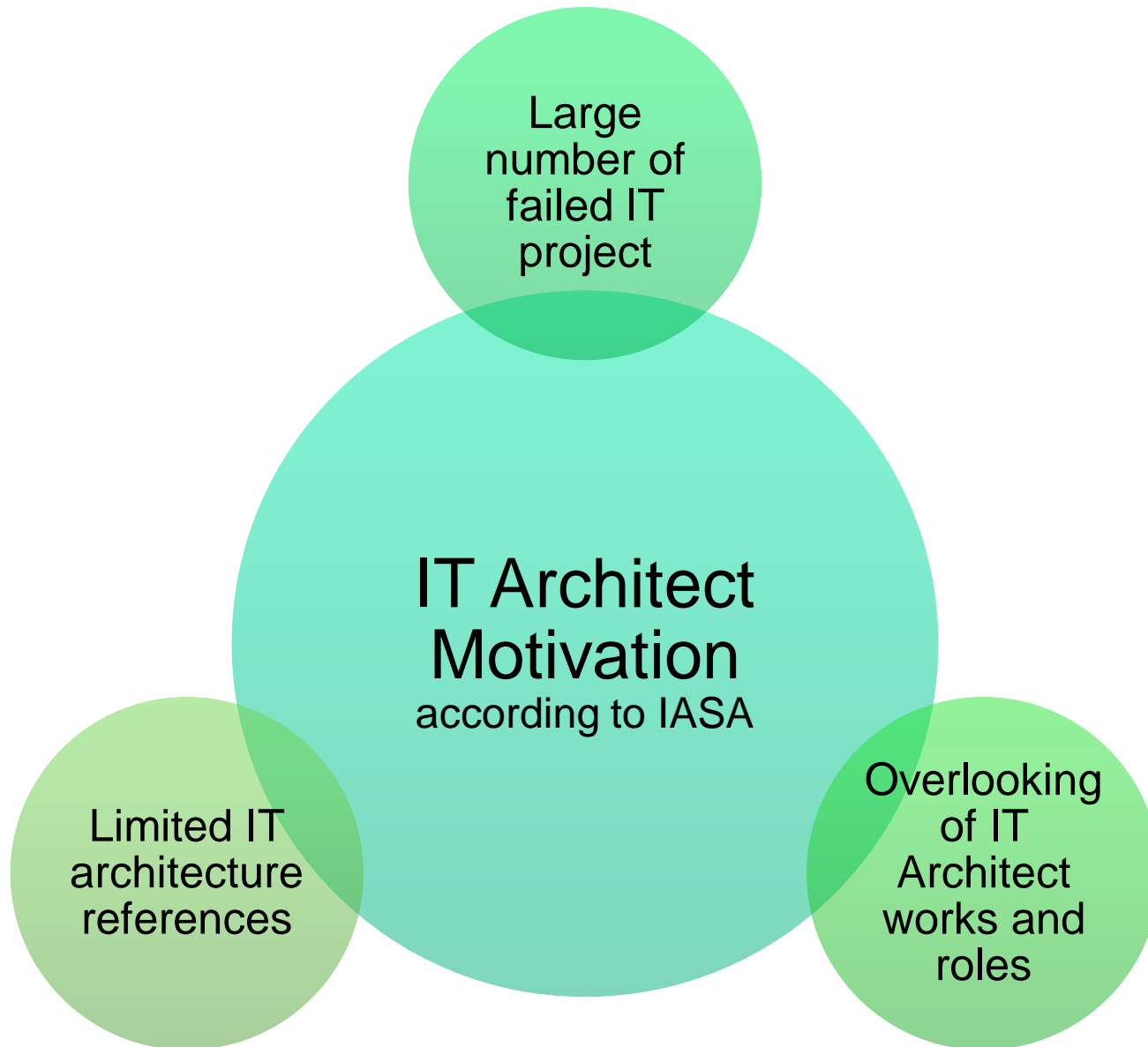
Our mission is to make IT architecture the most recognized profession in the world.”

<http://www.iasaglobal.org>

IT Architecture

according to IASA

“Art and science to design and deliver
valuable technology strategy for the
business”



**WHO IS
IT ARCHITECT?**





Senior
developer?



Super database
administrator?



IT/Development
Manager?



Developer Lead
with business
competence?



Business person
with technical
competence?



Network and System
specialist with having
business sense and strong
IT infrastructure
competence?



IT person who bridges
between business and
technology?

A person whom
posses both
technical and
business skills





Various Roles of IT Architect



Strategic Architect (CTO/CIO)



Security Architect



Information / Data Architect



Solution Architect



Infrastructure/Network Architect



Software Architect



Application Architect



Business Architect



User Experience Architect



Enterprise Architect