Solution Architecture Principles

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Solution Architecture Principles

Architecture Principles. This chapter provides principles for the use and deployment of IT resources across the enterprise. This chapter builds on work done by the US Air Force in establishing its Headquarters Air Force Principles for Information Management (June 29, 1998), with the addition of other input materials.

Architecture Principles - The Open Group Library

Published on Jun 9, 2014. The role of solution architecture is to identify answer to a business problem and set of solution options and their components. There will be many potential solutions to a problem with varying degrees of suitability to the underlying business need.

Structured Approach to Solution Architecture - SlideShare

However, solutions architecture is more about specific projects or initiatives than about ensuring interoperability between projects. The solutions architect leverages all the tools and design principles delivered by enterprise and SOA architects to make each solution a success within the larger framework.

Solutions architecture learning guide

Architecture Design Process. The requirements produced by the analysis tasks. The hardware architecture (the software architect in turn provides requirements to the system architect, who configures the hardware architecture). The result or output of the architecture design process is an architectural description.

Software Architecture and Design Key Principles

Business architecture is about the business. Many business efforts lead to an IT execution as part of solutions architecture, but business architecture cannot be focused on IT execution. When business architecture is focused on IT, it often becomes intertwined with technology and loses its business focus.

Five Core Principles of Successful Business Architecture

Principles are the foundation of your Enterprise Architecture — the enduring rules and guidelines of your architecture. They send an important message to your stakeholders — that EA recommendations are not arbitrary. Principles should enable the business to achieve their strategy and be simple, consistent, flexible, enduring and useful:

101 Principles of Enterprise Architecture - Simplicable

2 SOLUTION ARCHITECTURE FRAMEWORK (SAF) A Solution Architecture Framework establishes a systematic approach for creating a roadmap to achieve a project's mission and to attain a solution with optimal performance of its core business processes delivered within an efficient Information Technology (IT) environment.

Solutions Architecture Framework - California

Solution architecture. A solution architecture (SA) is an architectural description of a specific solution. SAs combine guidance from different enterprise architecture viewpoints (business, information and technical), as well as from the enterprise solution architecture (ESA). Greefhorst and Proper...

Solution architecture - Wikipedia

In this article. The principles outlined in this section can help guide you toward architectural decisions that will result in clean, maintainable applications. Generally, these principles will guide you toward building applications out of discrete components that are not tightly coupled to other parts of your application,...

Architectural principles | Microsoft Docs

Solution architecture is the detailed and structured description of the features, process and

behavior of the solution. It acts as the base of the solution to define, deliver, manage and operate the development process of the solution. It identifies the alternatives of the solutions and its components.

The Approach to Build a Solution Architecture Document ...

SAFe's Lean-Agile Principles inform Agile architecture practices. While all apply, three are particularly relevant to architecture. Before committing to a specific design, Agile architects use fast learning cycles (Principle #4) to explore alternatives (Principle #3) and arrive at the optimal solution.

Agile Architecture in SAFe – Scaled Agile Framework

For the purposes of TOGAF 9, the core concepts provided in this chapter apply. What is TOGAF? TOGAF is an architecture framework - The Open Group Architecture Framework. TOGAF provides the methods and tools for assisting in the acceptance, production, use, and maintenance of an enterprise architecture.

Core Concepts - The Open Group Architecture Framework

Participate in Architecture Sync – System Architect/Engineering participates in the Architecture Sync to ensure consistency in how emerging designs and tradeoffs are managed across the Solution Train, allowing frequent opportunities to steer implementation approaches without becoming a source of delays.

System and Solution Architect/Engineering – Scaled Agile ...

Virtually all successful BI and Big Data initiatives have one crucial component in common: a sound solution architecture based on proven principles in data science and data warehousing. Our CBIG Architecture™ planning services can help your organization design a robust, sustainable solution architecture that fully supports your current business requirements, with an eye toward future...

Solution Architecture - CBIG Consulting

What is Solution Architecture? In terms of TOGAF and the Enterprise Continuum, and under certain circumstances, any combination of enterprise, enterprise solution and solution architect may be utilized as part of your team. Looking at the last of these, let's go back to basics and ask 'what is a solution architect?'.

What Is Solution Architecture - A Quick Guide

These design principles apply to any architecture styles. Throughout the design process, keep these ten high-level design principles in mind. Then consider the set of best practices for specific aspects of the architecture, such as auto-scaling, caching, data partitioning, API design, and others.

Azure Application Architecture Guide | Microsoft Docs

The technique known as gap analysis is widely used in the TOGAF Architecture Development Method (ADM) to validate an architecture that is being developed. The basic premise is to highlight a shortfall between the Baseline Architecture and the Target Architecture; that is, items that have been deliberately omitted, accidentally left out, or not ...

The TOGAF Standard, Version 9.2 - Gap Analysis

I will teach you all the skills you need to become an outstanding solution architect. I will not only teach you how to create an awesome architecture design, but I will also teach you all the soft skills you will need to really shine in this role and make an impression on your peers. This course contains a lot of material to get you on your way.

How To Become An Outstanding Solution Architect | Udemy

Architects and solution providers need guidance to produce secure applications by design, and they can do this by not only implementing the basic controls documented in the main text, but also referring back to the underlying "Why?" in these principles. Security principles such as ...

Security by Design Principles - OWASP

This means that one Foundation layer module can depend on another Foundation layer module in the solution – as long as they rely on the basic principles on component architecture such as the Acyclic Dependencies Principle and the Stable Abstractions Principle:

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