

Solution Architecture Templates

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In this interview, Saikat Mitra, STL COO – Network Software speaks with Kevin Gray, Fierce Wireless publisher, about OSS/BSS modernization, 5G opportunities and STL’s roll. OSS/BSS technology ...

5G Video: Interview with STL COO - Network Software
With FARMACY, FARM uses deep research, community conversation, and engagement with subject matter experts to chart a way through the complexities of creative projects today.

FARMACY: FARM’s research and experience design arm
Crypto is an ecosystem. It’s noisy and volatile. You have the whole evolution of non-fungible tokens, or NFTs, as well as blockchain’s ability to redefine processes and flows. Because there are so ...

The Big Question: Is Investing in Crypto Worth the Risk?
Read our blog to discover how Tata Communications is using AI and ML to create more efficient and secure networks, and better our partners’ operations and offerings.

3 ways Tata Communications uses AI/ML to create future-ready networks
charger solution. The USB Type-C source controller detects connections ... Iob-SoC is a RISC-V SoC template written in Verilog, which users can download for free, modify, simulate and implement in ...

Risc-v IP Listing
"Containers provide robust application image management, runtime isolation, efficient scaling, resource pooling and they have become an integral part of modern microservices architecture." ...

Container security: How to get the most out of best practices
Governor of Oyo State, Seyi Makinde, has declared that his administration is busy working on the security architecture of the state to ensure a holistic solution to insecurity challenges being faced ...

Security Architecture: FG Will Copy Our Ideas When We Are Through – Makinde
This collection featuresRotnamagazine’s best articles on design thinking and business design. Insights are drawn from the people on the frontlines of ...

Rotnam on Design: The Best on Design Thinking from Rotnam Magazine
As the intelligent media control and management layer for on-premises and cloud, EditShare solutions enable collaborative ... EditShare customers a convenient architecture for distributing video ...

EditShare Announces Feature Enhancements to EFS and FLOW Media Management Solutions
Developing equity, diversity and inclusion (EDI) strategies and policies are among the challenges many companies in the construction and design world face today. At a recent webinar exchange presented ...

Seeking change: Industry panel explores equity, diversity and inclusion solutions
Some businesses opt for a more bespoke solution that they can design from the ground up. There are VPN devices as well that create dedicated machines with a built-in VPN as a part of the system ...

The Difference Between VPN Software and VPN Hardware
Johnson Experience Marketing (GPJ), for example, has added the Digital Experience Architect role, which focuses primarily ... Opus Agency’s EVP of strategy and solutions. These managers also focus on ...

15 New Event Industry Job Roles That Emerged During the Pandemic
--(BUSINESS WIRE)--Cupix, the fast-growth pioneer of cutting-edge 3D digital twin solutions for the architecture ... use hardware kits and self-service templates that enable quick onboarding ...

Cupix Launches CupixWorks 2.0 3D Digital Twin Platform as Company Expands Footprint in North American Market
The combined solution will empower joint customers to turn machine ... The Crosser platform runs on a hybrid architecture, which means that the partly cloud-based, real-time analytics engine can be ...

Crosser partners with cloud enterprise company IFS
What’s needed is a cloud architecture that is delivered as a ... An encrypted log like this is basically a blockchain, a solution that Microsoft has experimented with in Azure in the past.

What is Azure Confidential Ledger?
we needed to find a solution, and quickly. We needed the development teams to focus on shipping products faster,” said Jean-Marc Fontaine, Software Architect Lead, CareerBuilder. “We couldn’t ...

AWS Announces General Availability of AWS Proton
As security automation has become a requirement for organizations to stay secure, Swimlane’s architecture ... box or template.” Swimlane is at the forefront of security automation solutions ...

Swimlane Becomes System of Record for Cybersecurity with Latest Release
It opens the door to a new set of solutions by proposing a compelling new synthesis ... Going beyond speculative abstractions, the book proposes a new architecture of environmental law and public ...

Ecological Survival, Human Rights, and the Law of the Commons
A lot of these payments have a standard template, heavy manual overlays and are generally expensive. With the evolution of blockchain technology at scale and with the right compliance solutions ...

Introduction

Learn about the responsibilities of a .NET solution architect and explore solution architecture principles, DevOps solutions, and design techniques and standards with hands-on examples of design patterns
Key Features
Find out what are the essential personality traits and responsibilities of a solution architect
Become well-versed with architecture principles and modern design patterns with hands-on examples
Design modern web solutions and make the most of Azure DevOps to automate your development life cycle
Book Description
Understanding solution architecture is a must to build and integrate robust systems to meet your client’s needs. This makes it crucial for a professional .NET software engineer to learn the key skills of a .NET solution architect to create a unique digital journey and build solutions for a wide range of industries, from strategy and design to implementation. With this handbook, developers working with the .NET technology will be able to put their knowledge to work. The book takes a hands-on approach to help you become an effective solution architect. You’ll start by learning the principles of the software development life cycle (SDLC), the roles and responsibilities of a .NET solution architect, and what makes a great .NET solution architect. As you make progress through the chapters, you’ll understand the principles of solution architecture and how to design a solution, and explore designing layers and microservices. You’ll complete your learning journey by uncovering modern design patterns and techniques for designing and building digital solutions. By the end of this book, you’ll have learned how to architect your modern web solutions with ASP.NET Core and Microsoft Azure and be ready to automate your development life cycle with Azure DevOps. What you will learn
Understand the role and core responsibilities of a .NET solution architect
Study popular UML (Unified Modeling Language) diagrams for solution architecture
Work with modern design patterns with the help of hands-on examples
Become familiar with microservices and designing layers
Discover how to design modern web solutions
Automate your development life cycle with Azure DevOps
Who this book is for
This book is for intermediate and advanced .NET developers and software engineers who want to advance their careers and expand their knowledge of solution architecture and design principles. Beginner or intermediate-level solution architects looking for tips and tricks to build large-scale .NET solutions will find this book useful.

AWS certification is a level of Amazon Web Services cloud expertise that an IT professional obtains after passing one or more exams the public cloud provider offers. IT pros gain AWS certifications to demonstrate and validate technical cloud knowledge and skills.

Starting out with Solution Architecture means being unsure about what to do, how to start and how to get the most out of it; preparing for success, and avoiding failure. There is enormous satisfaction in seeing the change succeed, overcoming the obstacles in the way to reap the rewards and benefits that using Solution Architecture brings. Don’t embark on the change unprepared or it will be doomed to fail. But it’s my guess that since you’re reading this, the forces of change have already been set in motion, and there is no going back. What you need is the resources, knowledge, and confidence required to overcome uncertainty and face Solution Architecture changes. The job can be accomplished by having a roadmap and experiences from previous Solution Architecture changes. This is where this book is your guide and roadmap. You will be able to relate to the experiences laid out in its resources covering all aspects of any Solution Architecture initiative. Use it, and its INCLUDED Working Documents for Leaders, to get a strong foundation. It will provide aid, advice, blueprints, road maps on templates when you need it most. The book reflects the reality that the fastest way to learn about Solution Architecture is from experiences, knowing about the ins and outs of employment and career developments, trends and popularity, relevant knowledge and patents AND the INCLUDED downloadable resources on Solution Architecture Blueprints, Templates and Presentations: Working Documents for Leaders. Whatever makes you decide to take on the change: growing business initiatives or career development plans, you are ready for a Solution Architecture Change. The book and accompanying toolkit is your gateway and will fully support your commitment in moving forward and energize yourself and others.

Software architecture—the conceptual glue that holds every phase of a project together for its many stakeholders—is widely recognized as a critical element in modern software development. Practitioners have increasingly discovered that close attention to a software system’s architecture pays valuable dividends. Without an architecture that is appropriate for the problem being solved, a project will stumble along or, most likely, fail. Even with a superb architecture, if that architecture is not well understood or well communicated the project is unlikely to succeed. Documenting Software Architectures, Second Edition, provides the most complete and current guidance, independent of language or notation, on how to capture an architecture in a commonly understandable form. Drawing on their extensive experience, the authors first help you decide what information to document, and then, with guidelines and examples (in various notations, including UML), show you how to express an architecture so that others can successfully build, use, and maintain a system from it. The book features rules for sound documentation, the goals and strategies of documentation, architectural views and styles, documentation for software interfaces and software behavior, and templates for capturing and organizing information to generate a coherent package. New and improved in this second edition: Coverage of architectural styles such as service-oriented architectures, multi-tier architectures, and data models
Guidance for documentation in an Agile development environment
Deeper treatment of documentation of rationale, reflecting best industrial practices
Improved templates, reflecting years of use and feedback, and more documentation layout options
A new, comprehensive example (available online), featuring documentation of a Web-based service-oriented system
Reference guides for three important architecture documentation languages: UML, AADL, and SysML.

IBM® FileNet® Platform

IBM® FileNet® Platform is a next-generation, unified enterprise foundation for the integrated IBM FileNet P8 products. It combines the enterprise content management with comprehensive business process management and compliance capabilities. IBM FileNet P8 addresses the most demanding compliance, content, and process management needs for your entire organization. It is a key element in creating an agile, adaptable enterprise content management (ECM) environment necessary to support a dynamic organization that must respond quickly to change. In this IBM Redbooks® publication, we provide an overview of IBM FileNet P8 and describe the core component architecture. We also introduce major expansion products that extend IBM FileNet P8 functionality in the areas of content ingestion, content accessing through connectors and federation, the application framework, and discovery and compliance. In this book, we discuss the anatomy of an ECM infrastructure, content event processing, content life cycle, and business processes. This book gives IT architects, IT specialists, and IT Technical Sales a solid understanding of IBM FileNet P8 Platform, its architecture, its functions and extensibility, and its unlimited capabilities.

Threats come from a variety of sources. Insider threats, as well as malicious hackers, are not only difficult to detect and prevent, but many times the authors of these threats are using resources without anybody being aware that those threats are there. Threats would not be harmful if there were no vulnerabilities that could be exploited. With IT environments becoming more complex every day, the challenges to keep an eye on all potential weaknesses are skyrocketing. Smart methods to detect threats and vulnerabilities, as well as highly efficient approaches to analysis, mitigation, and remediation, become necessary to counter a growing number of attacks against networks, servers, and endpoints in every organization. In this IBM® Redbooks® publication, we examine the aspects of the holistic Threat and Vulnerability Management component in the Network, Server and Endpoint domain of the IBM Security Framework. We explain the comprehensive solution approach, identify business drivers and issues, and derive corresponding functional and technical requirements, which enables us to choose and create matching security solutions. We discuss IBM Security Solutions for Network, Server and Endpoint to effectively counter threats and attacks using a range of protection technologies and service offerings. Using two customer scenarios, we apply the solution design approach and show how to address the customer requirements by identifying the corresponding IBM service and software products.

Is there any reason to believe the opposite of my current belief? What to do with the results or outcomes of measurements? Are indirect costs charged to the solution architecture design program? Are decisions made in a timely manner? Which issues are too important to ignore? Defining, designing, creating, and implementing a process to solve a challenge or meet an objective is the most valuable role... In EVERY group, company, organization and department. Unless you are talking a one-time, single-use project, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, "What are we really trying to accomplish here?" And is there a different way to look at it? This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc., - they are the people who rule the future. They are the person who asks the right questions to make Solution Architecture Design investments work better. This Solution Architecture Design All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth Solution Architecture Design Self-Assessment. Featuring 938 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Solution Architecture Design improvements can be made. In using the questions you will be better able to:- diagnose Solution Architecture Design projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Solution Architecture Design and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Solution Architecture Design Scorecard, you will develop a clear picture of which Solution Architecture Design areas need attention. Your purchase includes access details to the Solution Architecture Design self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific Solution Architecture Design Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C. Martin ("Uncle Bob") reveals those rules and helps you apply them. Martin's Clean Architecture doesn't merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you've come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you'll face-the ones that will make or break your projects. Learn what software architects need to achieve-and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what's critically important and what's merely a "detail" Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager-and for every programmer who must execute someone else's designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

What is enterprise architecture versus a segment or a solution architecture in terms of Scope, Detail, Impact, and Audience? What existing systems and services are deployed? What is the impact of new change drivers on segment architecture work products? What does the To-Be conceptual solution architecture need to include to fulfill the desired target performance? Will the product meet its specified requirements of functional performance and technical standards? This astounding Solution architect self-assessment will make you the trusted Solution architect domain veteran by revealing just what you need to know to be fluent and ready for any Solution architect challenge. How do I reduce the effort in the Solution architect work to be done to get problems solved? How can I ensure that plans of action include every Solution architect task and that every Solution architect outcome is in place? How will I save time investigating strategic and tactical options and ensuring Solution architect costs are low? How can I deliver tailored Solution architect advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Solution architect essentials are covered, from every angle: the Solution architect self-assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that Solution architect outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Solution architect practitioners. Their mastery, combined with the easy elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in Solution architect are maximized with professional results. Your purchase includes access details to the Solution architect self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows you exactly what to do next. Your exclusive instant access details can be found in your book. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific Solution architect Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

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