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1 Coding of "ADL Analysis" from 1 file

2008-May [169:236]

Possible causes of

MyxBrickNotFoundException/ClassNotFoundException

Back

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6 Codings of "ADL Analysis Tools" from 4 files.

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1 (2) [516: 763]

"analysis tools" provided by ADLs is just a sub-set of the evaluation process. Moreover, each ADL provides different set of tools for analyzing the architecture. I think that comparing between the two concepts is somehow weird and just confusing.
Back

2010-May [482: 828]

I'm on 3.4.2 and just attempted it. I went as far as installing from the

update site, making a new project, making a new AS4 Architecture Description

document, and loading the document into Archipelago, and it all seems to

work fine.

The only other plugin I have installed on this machine besides AS4 and the

Eclipse SDK is the Scheme IDE, FWIW.
Back

6 [286: 307]

Sonargraph Architect.
Back

SE10 [441: 621]

On the other hand, "analysis tools" provided by ADLs is just a sub-set of the evaluation process. Moreover, each ADL provides different set of tools for analyzing the architecture.

Back

SE10 [1972:2096]

As you point out, it is possible to use an ADL as part of a software architecture evaluation process, like outlined by ATAM.
Back

SE10 [2499:2630]

A software architecture described in an ADL van be automaticaly analysed for completeness, consistency, ambiguity, and performance.
Back

---

5 Codings of "ADL Classification" from 2 files.

RG2 [95: 240]

I need an article that helps me to identify the criteria of the classification of ADL that enable me to compare it within a comparison framework.
Back

RG2 [1353:1422]

A systematic review of software architecture visualization techniques
Back

RG2 [1580:1647]

Software process modeling languages: A systematic literature review
Back

RG2 [1791:1875]

Knowledge-based approaches in software documentation: A systematic literature review
Back

What-is-WADL-in-apigee-How-can-i-use-it (What is WADL in apigee _ How can i use it_) [12: 54]

What is WADL in apigee ? How can i use it?
Back

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8 Codings of "ADL Comparison" from 4 files.

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702 [164: 338]

Can some1 recommend me a good ADL (Architecture Description Language) for a web based system with seven main applications which includes human resource, finance, logistics...
Back

RG2 [1: 93]

Is there any article that treats the comparison of ADL (Architecture description Languages)?
Back

RG2 [95: 240]

I need an article that helps me to identify the criteria of the classification of ADL that enable me to compare it within a comparison framework.
Back

RG2 [1353:1422]

A systematic review of software architecture visualization techniques
Back

RG2 [1580:1647]

Software process modeling languages: A systematic literature review
Back

RG2 [1791:1875]

Knowledge-based approaches in software documentation: A systematic literature review
Back

RG4 [3930:4091]

We did a similar comparison about a year ago. Our conclusion was that ATL is the best practical choice for our case, which involved transformation of UML models.
Back

SE10 [441: 706]

On the other hand, "analysis tools" provided by ADLs is just a sub-set of the evaluation process. Moreover, each ADL provides different set of tools for analyzing the architecture. I think that comparing between the two concepts is somehow weird and just confusing.
Back

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4 Codings of "ADL Confusions" from 3 files.

2007-July [1531:1690]

It appears we deleted that folder in the latest development and still

have the project set file(psf) set with that path in it resulting in

one of 2 situations:
Back

RG3 [75: 332]

Which are the needs and limitations of languages (ADLs) and notations that have been used in the description of SoSs? Which are the main concerns framed in SoSs architecture description? How can we assess the expressiveness of ADLs employed in this context?

[Back](#)

RG3 [1872:2058]

To assess the expressiveness of ADLs for SoSs, we are now proposing a checklist (which is also discussed in this survey) that lists desired features for these languages and/or notations.
[Back](#)

SE10 [441: 706]

On the other hand, "analysis tools" provided by ADLs is just a sub-set of the evaluation process. Moreover, each ADL provides different set of tools for analyzing the architecture. I think that comparing between the two concepts is somehow weird and just confusing.
[Back](#)

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1 Coding of "ADL Defination" from 1 file

RG3 [5141:5311]

an ADL any form of expression used in the architecture description, e.g., formal (Wright, etc.), semi-formal (UML, SysML), and informal (box-and-lines, ad-hoc notations).
[Back](#)

---

2 Codings of "ADL Evaluation" from 1 file.

2007-February [7906:8023]

I made a lot of

assumptions about how the code worked and hopefully any incorrect

assumptions will be pointed out.
Back

2007-February [7728:7847]

I think that having the View request the Myx component

in the initPart method avoids this problem, but, I'm not sure.
Back

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1 Coding of "ADL Exception Handling" from 1 file

2008-May [169:237]

Possible causes of

MyxBrickNotFoundException/ClassNotFoundException
Back

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2 Codings of "ADL Features" from 2 files.

2009-January [1323:1406]

In xADL 2.0, hierarchy is handled through the use of component and

connector types.
Back

y4 [1: 40]

Does Darwin has Graphic User Interface?

Back

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5 Codings of "ADL Selection" from 5 files.

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702 [164: 336]

Can some1 recommend me a good ADL (Architecture Description Language) for a web based system with seven main applications which includes human resource, finance, logistics...
Back

RG1 [1: 134]

Which Architectural Description Language is suitable for WSN?

For architecture analysis of WSM, I need some tools. Please suggest me.
Back

RG3 [2150:2285]

we intend to identify directions for tailoring existing ADLs to SoSs as well as refine this checklist to better reflect their concerns.
Back

RG4 [3930:4091]

We did a similar comparison about a year ago. Our conclusion was that ATL is the best practical choice for our case, which involved transformation of UML models.
Back

SE8 [3186:3331]

I use Swagger a lot and really love it, mainly because Swagger UI that allow you generate a nice live console and documentation for your web api.
Back

2 Codings of "ADL Semantics" from 2 files.

2007-August [915:1030]

I'm not familiar enough with the semantics of

CommUnity architecture descriptions to understand how this would work
[Back](#)

2007-July [298: 520]

I'm in the process of extending ArchStudio to cover the semantics of another

architecture description language. So I'm wondering if it would be better

to develop against a released version of ArchStudio or the one in svn.
[Back](#)

1 Coding of "ADL Style" from 1 file

81 [158:408]

I am reading about pipes and filter architecture pattern in Pattern oriented software architecture. Here I don't have to know compiler design, but author gave example with compiler design. I followed most of it, but I have difficulty in understanding
[Back](#)

3 Codings of "ADL Tool Evolution" from 2 files.

2007-August [837:1029]

At a surface level, I understand how you would like to extend

ArchStudio, but I'm not familiar enough with the semantics of

CommUnity architecture descriptions to understand how this would work.
Back

2007-August [738: 834]

Thanks for the information. I am very open to the idea of extending

archstudio in different ways!
Back

2007-February [157: 207]

Recent changes in the Myx framework and ArchStudio
Back

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6 Codings of "ADL Tool Features" from 6 files.

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19 [782:1029]

Is there a toolset available which supports document generation from an ADL? Including rendering images of the architecture, describing components and interfaces and component hierachies? And probably even using that to describe dynamic behaviour?
Back

2007-February [4739:5061]

I could not tell for sure, but it appeared that it was possible to have

two interfaces on a brick, with the same name, but with different

directions. This functionality could be readded, but it was removed

while updating the Myx framework. The changes I made require that each

interface is identified by a unique name.
Back

2008-December [1176:1331]

Remember how hard it was to make

a release of ArchStudio because you had to update a whole bunch of

different version numbers in different plugins/features?
Back

2009-December [594: 787]

The bootstrapper is a small Myx architecture that's like a very minimal

ArchStudio. It includes xArchADT, the AIM, the Myx runtime component

(now part of AIM) and a "bootstrapper" component
Back

2009-January [4733:4854]

There is an implicit rule in xADL that every interface on a component has

to have a corresponding signature on its type.
Back

2012-September [442: 821]

ArchStudio uses xADL files, which are the XML documents that store

architecture descriptions. There are two videos that may help you, located

here: http://www.isr.uci.edu/projects/archstudio/getting-started.html . It

sounds like you are already familiar with Eclipse, so you may want to skip

to the second video on that page.

If you have any further questions, feel free to ask.
Back

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2 Codings of "ADL Tool Installation" from 2 files.

2008-December [3272:3392]

I think the proposed approach sounds reasonable but

extension points aren't required and I vote for the dependency model
Back

2010-May [482: 825]

I'm on 3.4.2 and just attempted it. I went as far as installing from the

update site, making a new project, making a new AS4 Architecture Description

document, and loading the document into Archipelago, and it all seems to

work fine.

The only other plugin I have installed on this machine besides AS4 and the

Eclipse SDK is the Scheme IDE, FWIW.
Back

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1 Coding of "ADL Tool Probems" from 1 file

2007-February [7508:7729]

My concern is that deadlock will occur if a plugin with a View is

initialized before a plugin that creates its corresponding Myx

component, since the second one will not be initialized until the first

one has finished.
Back

16 Codings of "ADL Tool Questions" from 13 files.

106 [158: 359]

I need to learn ACME (An Architecture Description Language developed at Carnegie Mellon University) in a short time for my school project. Could you introduce a useful and comprehensive resource to me.
Back

119 [156: 409]

I am a newbie in the field of software architecture. I heard about architecture description languages. I have seen a sample code written in Wright. I do not get an idea about how the output will look like.

How can I install Wright in my Linux system?
Back

19 [782:1029]

Is there a toolset available which supports document generation from an ADL? Including rendering images of the architecture, describing

components and interfaces and component hierachies? And probably even using that to describe dynamic behaviour?
Back

2008-December [1: 76]

Eugen did a lot of early work on the integration of ArchStudio and

Eclipse.
Back

2009-December [594: 785]

The bootstrapper is a small Myx architecture that's like a very minimal

ArchStudio. It includes xArchADT, the AIM, the Myx runtime component

(now part of AIM) and a "bootstrapper" component
Back

2010-May [482: 827]

I'm on 3.4.2 and just attempted it. I went as far as installing from the

update site, making a new project, making a new AS4 Architecture Description

document, and loading the document into Archipelago, and it all seems to

work fine.

The only other plugin I have installed on this machine besides AS4 and the

Eclipse SDK is the Scheme IDE, FWIW.
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2012-September [442: 822]

ArchStudio uses xADL files, which are the XML documents that store

architecture descriptions. There are two videos that may help you, located

here: http://www.isr.uci.edu/projects/archstudio/getting-started.html . It

sounds like you are already familiar with Eclipse, so you may want to skip

to the second video on that page.

If you have any further questions, feel free to ask.
Back

2013-June [313: 410]

Both of you asked me question about how to use MyxGen in ArchStudio 5.

Below is the whole process.
Back

RG1 [1: 134]

Which Architectural Description Language is suitable for WSN?

For architecture analysis of WSM, I need some tools. Please suggest me.
Back

RG3 [1241:1276]

I model systems with pen and paper.
Back

RG4 [1360:1670]

I would definitely go for QVT language, and my reason of choosing QVT (Query/ View/ Transformation) is because it model transformation language proposed by OMG. And we have used and using a lot of standards, languages proposed by OMG and they all are very stable and they have a formal documentation available.
Back

RG4 [3435:3622]

I do not regret the switch from, for example, ATL. For M2M ATL is sufficient and worth a look if you only want to do M2M. But it is not part of such a comprehensive tool box like Epsilon.
Back

RG4 [5663:6148]

Any language that outputs information in structured format, such as xml, is practically uitable for transformations. The suitability depends on the type of model you target as input and the type of transformation you target as an output, e.g. CIM, PIM, PSM, code. Key MDA standards are the UML, Meta-Object Facility (MOF), XML Metadata Inter- change (XMI) and Object Constraint Language (OCL). OMG's MOF and XMI standards are used to store, transport and exchange models between tools.
Back

RG5 [107: 231]

We are looking for a method to transform ADL files to XML format to use data mining in medical records management platforms.
Back

SE8 [2831:3038]

In the field of how to describe a web api REST I can cite Swagger. It is not a attempt to create a WSDL like to web api REST, but it is a good attempt to create an open standard for describing web apis REST.
Back

SE8 [3333:3426]

There are many implementations of Swagger for most of languages: C#, Java, Python, Ruby, etc.
Back

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2 Codings of "ADL Tool Update" from 2 files.

2007-August [738:835]

Thanks for the information. I am very open to the idea of extending

archstudio in different ways!
Back

2007-July [298:519]

I'm in the process of extending ArchStudio to cover the semantics of another

architecture description language. So I'm wondering if it would be better

to develop against a released version of ArchStudio or the one in svn.
Back

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2 Codings of "ADL Usage" from 2 files.

2008-December [1176:1332]

Remember how hard it was to make

a release of ArchStudio because you had to update a whole bunch of

different version numbers in different plugins/features?
Back

2009-January [1768:2114]

To establish a hierarchy, you have to develop at least three things:

1. An outer structure, which will contain the outer components,

connectors, links, and so on.

2. At least one type for one of the components or connectors in the outer

structure.

3. An inner structure, which will contain the inner components,

connectors, links, and so on.

Back

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2 Codings of "ADL for ERP" from 2 files.

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702 [164:336]

Can some1 recommend me a good ADL (Architecture Description Language) for a web based system with seven main applications which includes human resource, finance, logistics...

Back

703 [567:602]

What is an Enterprise architecture?

Back

---

6 Codings of "ADL for WebAPI" from 2 files.

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702 [164: 338]

Can some1 recommend me a good ADL (Architecture Description Language) for a web based system with seven main applications which includes human resource, finance, logistics...

Back

SE8 [1: 47]

Why is there no WSDL type support for Web Api?
Back

SE8 [1637:1868]

SOAP needs a description document like WSDL because each resource can be consumed with different messages, there are no definition on the protocol about constraints to the possible names/messages that you can manipulate a resource.
Back

SE8 [2831:3038]

In the field of how to describe a web api REST I can cite Swagger. It is not a attempt to create a WSDL like to web api REST, but it is a good attempt to create an open standard for describing web apis REST.
Back

SE8 [4637:4758]

WADL -> Swagger -> Code Skeleton. WADL also fits in the existing eco-system, and that;s a must for enterprise developers.
Back

SE8 [7286:7438]

In practice, consuming a WSDL from a different implementation language or platform has been problematic. WS-* security layers over the top even more so.
Back

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1 Coding of "ADL to XML" from 1 file

RG5 [107:231]

We are looking for a method to transform ADL files to XML format to use data mining in medical records management platforms.
Back

2 Codings of "ATAM & ADL comparison" from 2 files.

1 (2) [1207:1305]

my question is "Is it possible to do that kind of comparison?"(comparing the ATAM method and ADLs)
Back

SE10 [1825:1970]

ATAM is a method/process to evaluate a software architecture and an ADL is a standard notation that is used to represent a software architecture.
Back

5 Codings of "Advantages of ADLs" from 2 files.

19 [388: 618]

I see advantages in this approach since it is a formal definition of an architecture stored in a single place without need to switch between graphical and text editors all the time. Kind of the TeX way of describing architectures.
Back

SE10 [1825:1970]

ATAM is a method/process to evaluate a software architecture and an ADL is a standard notation that is used to represent a software architecture.
Back

SE10 [2098:2182]

An ADL could also be used as a process for assessing software architecture in itself
Back

SE10 [2499:2630]

A software architecture described in an ADL van be automaticaly analysed for completeness, consistency, ambiguity, and performance.
Back

SE10 [2632:2809]

Using an ADL may be a better way to assess the performance of a software architecture than ATAM, where the focus (in my limited experience) is usually structure and consistency.
Back

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3 Codings of "Appropriate Example" from 3 files.

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101 [1068:1221]

There are hundreds of software architecture articles online but not many which help you to translate that architecture into solutions, projects and code.
Back

613 [34: 62]

examples of DCI architecture?
Back

81 [1179:1465]

1. What does author mean by " not to construct abstract tree explictily" ?

2. I just need to understand above grammer rules what does it doing? As I am not designing lanuguage, I have to understand pattern. If I have good understanding on above example I can follow pattern effectively?
Back

1 Coding of "Architectural components" from 1 file

696 [438:533]

I want to clear, In Software architecture, Do we consider Business Object as a separate layer ?
Back

9 Codings of "Architecture Analysis" from 6 files.

117 [664: 944]

I did not find any tool to perform good static analysis on it, nor tools to extract the software architecture (I found several scripts that were trying to convert the Javascript in a language accepted by Doxygen but none were able to work properly and extract something valuable).
Back

68 [933:1011]

What are some open source tools to check a software architecture's robustness?
Back

710 [3374:3496]

Any comments/suggestion about this design. I need your input guys on how I can improve this structure. Thanks in advance.
Back

77 [750: 945]

What specific information is it an Architect is interested in, during analysis

of software architecture dynamic views? What specific questions does

he need to be able to answer by analysing this?
Back

77 [1457:1607]

One example tool that i have encountered is kieker framework, which does exactly what i want, but lacks, in my opinion, good visualization techniques.
Back

SE10 [1825:1970]

ATAM is a method/process to evaluate a software architecture and an ADL is a standard notation that is used to represent a software architecture.
Back

SE10 [1972:2096]

As you point out, it is possible to use an ADL as part of a software architecture evaluation process, like outlined by ATAM.
Back

SE10 [2632:2809]

Using an ADL may be a better way to assess the performance of a software architecture than ATAM, where the focus (in my limited experience) is usually structure and consistency.
Back

What-are-some-good-tools-for-drawing-software-architecture-graphs (What are some good tools for drawing software architecture graphs_) [12: 78]

What are some good tools for drawing software architecture graphs?
Back

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4 Codings of "Architecture Availability" from 3 files.

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30 (2) [790: 867]

What's the equation to use for finding availability in software architecture?
Back

30 (2) [573: 610]

MTBF = 365*24*60-40/ 20, MTTR = 2*20
Back

66 [912:1308]

What is the most common, preferred, "best", fastest, elegant way to handle data streams that cross multiple years for calculation and reporting purposes? How would the database design and the architecture relate in this scenario (i.e. would using an ORM be fine as long as the database schema was well designed?). The critical requirements here are optimal performance and real-time availability.
Back

76 [1177:1649]

How can avoid that type of architecture while keeping the required functionality? Or how can I design the architecture in a way that eliminates the need to query one database from two distinct services?

(unfortunately the 'business model' of this app does not allow having 'account management'(1) and 'Jabber bot'(2) logic in one web service).

P.S. The most important requirement of the system in question is high availability (maybe it would affect the answer somehow).
Back

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5 Codings of "Architecture Concepts" from 5 files.

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622 [6: 50]

Talking about software architecture concepts
Back

Is-there-an-open-source-tool-flow-which-can-extract-a-data-flow-graph-DFG-from-a-software-task-and-schedule-it-to-a-coarse-gr [11:178]

Is there an open source tool-flow which can extract a data flow graph (DFG) from a software task and schedule it to a coarse grain reconfigurable architecture (CGRA)?
Back

What-is-conceptual-integrity-in-software-architecture (What is conceptual integrity in software architecture _) [12: 66]

What is conceptual integrity in software architecture?
Back

Why-are-most-software-architecture-concepts-invented-by-Java-programmers (Why are most software architecture concepts inven [34: 55]

architecture concepts
Back

Why-does-software-architecture-matter (Why does software architecture matter_) [21: 42]

software architecture
Back

---

3 Codings of "Architecture Creation Process" from 1 file.

2009-January [2115:2231]

First, I am going to explain how to put the inner structure inside a

component or connector in the outer structure.
Back

2009-January [2292:2723]

1. Create a new, empty xADL architecture description and then open it in

Archipelago.

2. Create a structure to be the inner structure. I'll call it

"InnerStructure" but you can name it whatever you like. Populate this

with some components or connectors.

3. Create a structure to be your outer structure. I'll call this

"OuterStructure" but you can name it whatever you like. Populate this

with some components or connectors.
Back

2009-January [4558:4732]

The answer is that you have to create interfaces and signatures - these

are the entry and exit points through which components and connectors

interact with the outside world.
Back

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9 Codings of "Architecture Description" from 8 files.

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17 (2) [775: 1233]

My boss assigned me the task, to write the document describing the architecture of the system. The target audience are current and future
developers working on the project. I need to describe what should be, but I also need to describe the deviations somehow.

So, where should I describe these problems? Bugs tracking software? Or should I describe implementation's deviations from the architecture in the document describing the architecture of the system?
Back

8 (2) [1016: 1089]

Is an architecture description document a violation of the DRY Principle?
Back

RG2 [1791: 1875]

Knowledge-based approaches in software documentation: A systematic literature review
Back

RG3 [5612: 5685]

How software architectures of Systems-of-Systems (SoSs) can be described?
Back

SE2 [3213: 3366]

An architecture description defines viewpoints, frameworks, and architectural description languages for systems (which may or may not include software).
Back

SE3 [4229: 4562]

What you document will depend greatly on the view and the context in which technology decisions are made. Some technology decisions, such as frameworks, platform, or language are a big deal - they will have a significant impact on the system's architecture. Consider the audience and how you plan to use the architecture description.
Back

SE5 [13911:14371]

What the architect is asking is to view the problem even more generally than that. If you had to put together a number of applications to make the system work:

What applications and services will you need?

What pieces interact with customers, and which interact with each other?

How will they communicate?

Where will they store data?

Where are the risks of failures?

How will you provide reliability?

How will you provide security?
Back

SE5 [14373:14571]

So, in a sense technical architecture is like a building architecture. It's the layout, or the plan. It shows whats needed for the various parts, how they hold together, and just as importantly why.
Back

y1 [1: 93]

Can you please name some Models and Languages used for description of software architecture?
Back

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17 Codings of "Architecture Design Questions" from 11 files.

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234 [175: 272]

Can you please educate me on what are the software architecture design patterns that are available?
Back

244 [263: 363]

I am looking for a guidance on how to build such solution from a software architecture point of view.
Back

329 [6: 152]

I was considering of using an approach where the client starts processing and expose another web service to wait for the legacy system processing.
Back

Are-there-any-good-free-software-design-architecture-modelling-tool (Are there any good free software design architecture modelling tool _) [12: 80]

Are there any good free software design/architecture modelling tool?
Back

How-did-Adam-DAngelo-and-Charlie-Cheever-develop-the-software-architecture-for-Quora-How-has-it-evolved-over-time (How did Ad [12: 100]

How did and develop the software architecture for Quora? How has it evolved over time?
Back

How-should-I-learn-software-architecture-and-design (How should I learn software architecture and design_) [12: 64]

How should I learn software architecture and design?
Back

Imagine-you-are-modeling-architectural-exteriors-and-interiors-What-software-tools-plug-ins-would-you-like-to-have-on-your-wo [12: 150]

Imagine you are modeling architectural exteriors and interiors. What software, tools, plug-ins would you like to have on your workstation?
Back

SE5 [368: 588]

Over the course of a few iterations of brainstorming ideas and proposing what I saw as architecture suggestions, my lead has given me the feedback that most of what I've been doing was "designing" and not "architecting".

[Back](#)

SE5 [883: 968]

How do I get out of software designer mode and start thinking more like an architect?
[Back](#)

SE5 [1088:1236]

I came up with an algorithm for loading and unloading resources from our system and my lead said that algorithms are categorically not architecture.
[Back](#)

SE5 [1241:1392]

I came up with a set of events the system should be raising and in what order it should raise them, but this too didn't seem to cut it as architecture.
[Back](#)

SE5 [1760:1815]

I needed to be thinking "top down" and not "bottom up".
[Back](#)

SE5 [5295:5434]

First of all I'd say that the difference between architecture and design is mainly semantics. Some teams have check points between the two.
[Back](#)

SE5 [5751:5951]

I think architecture often slips into design and that is not necessarily a bad thing, it is often very helpful for the architect to have a deep knowledge of what is possible within the system at hand.
[Back](#)

Software-Architecture-What-are-some-examples-of-incremental-design (Software Architecture _ What are some examples of incremental design_) [12: 80]

Software Architecture: What are some examples of incremental design?
Back

What-is-software-architecture-design (What is software architecture design_) [20: 49]

software architecture design?
Back

What-is-the-difference-between-a-SOAP-API-and-a-REST-API (What is the difference between a SOAP API and a REST API_) [12: 69]

What is the difference between a SOAP API and a REST API?
Back

---

13 Codings of "Architecture Evaluation" from 10 files.

---

470 [250: 379]

I want to evaluate how ""good"" my architecture is. Is it modular? Is it simple? Could it be better? Where are the biggest flaws?
Back

483 [36: 94]

How can I measure the quality of my software architecture?
Back

58 [649: 726]

What are the available Software (Web) architectural style evaluation methods?
Back

58 [234: 269]

I know some methods like SAAM, ATAM
Back

710 [3374: 3494]

Any comments/suggestion about this design. I need your input guys on how I can improve this structure. Thanks in advance.
Back

713 [1646: 1701]

Evaluating the performance of a software architecture?
Back

713 [158: 243]

I'm looking for tools that help me evaluate the performance of a software architecture.
Back

77 [1457: 1607]

One example tool that i have encountered is kieker framework, which does exactly what i want, but lacks, in my opinion, good visualization techniques.
Back

SE10 [301: 439]

I am confused because as I know from the textbook, ATAM is a software architecture evaluation process which has multiple phases and steps.
Back

SE3 [1507: 1546]

architecture should be stable in change
Back

SE3 [1732: 1789]

some modules can change in respect to the technology used
Back

SE5 [18778:18940]

How will you scale? Not code-wise, because that doesn't matter yet. What will the conditions be to scale horizontally; what service (AWS) will you use to do this?
Back

What-are-good-metrics-to-measure-change-in-complex-software-architectures-What-tools-do-you-use (What are good metrics to [11: 109]

What are good metrics to measure change in complex software architectures? What tools do you use?
Back

---

4 Codings of "Architecture Evaluation Process" from 4 files.

---

1 (2) [407:495]

ATAM is a software architecture evaluation process which has multiple phases and steps.
Back

483 [36: 93]

How can I measure the quality of my software architecture?
Back

58 [157:232]

What are the evaluation methodologies available for software architectures?
Back

SE10 [301:439]

I am confused because as I know from the textbook, ATAM is a software architecture evaluation process which has multiple phases and steps.
Back

2 Codings of "Architecture Framework" from 1 file.

697 [711:805]

Is anyone aware of an open, relatively well supported framework to build telecoms applications on?
Back

697 [423:545]

Note I am not looking for a discussion on the pros and cons of a particular framework - just a pointer to anything suitable...
Back

9 Codings of "Architecture Implementation" from 7 files.

613 [144: 244]

I'm using Laravel 5.2 to build an abstract system. When a customer needs some specific implementation
Back

696 [558: 799]

If we have two tier architecture it means we can have two physical servers, One server can have only DB (Database Server) and other server will consist Presentation (UI), Business Logic, Data Access Layer and Business Object. Is it correct ?
Back

696 [1078:1244]

I am not sure about 4 tier architecture. As per [this] article it describe 4 layers includes business object (BO). I am not sure whether we consider BO as layer or not ?
Back

697 [711: 804]

Is anyone aware of an open, relatively well supported framework to build telecoms applications on?
Back

700 [9288:9360]

Thinking outside of the box! Computer Architecture & Software Integration
Back

700 [156: 410]

What would it take to design a computer system independent of hardware architecture, OS, programming language paradigms, and complier dependencies to allow the user to set the memory width of any default type in order to manage the precision of that type?
Back

706 [1426:1578]

So bottom line, are there any books, repositories, white papers or online resources in which is described how to make a software architecture from scratch?
Back

710 [3374:3495]

Any comments/suggestion about this design. I need your input guys on how I can improve this structure. Thanks in advance.
Back

711 [592: 731]

Should the data access layer return instances of the domain classes or should there be an isolation between the domain and data access layer?
Back

2 Codings of "Architecture Improvement" from 2 files.

710 [3374:3492]

Any comments/suggestion about this design. I need your input guys on how I can improve this structure. Thanks in advance.
Back

715 [1907:1950]

How to simplify this software architecture?
Back

36 Codings of "Architecture Patterns" from 32 files.

120 [165: 356]

I am reading a lot of architecture (N-Layered and DDD) yet most of the articles are about web site architecture and develop mostly windows services.

Can the architecture be used the same way?
Back

15 (2) [819: 868]

Isnt MVC a form of client server architecture ??
Back

18 [165: 241]

Does Facade Design Pattern inherits the concept of Facade from architecture?
Back

205 [34: 111]

What's the difference between Architectural Patterns and Architectural Styles?
Back

234 [175: 274]

Can you please educate me on what are the software architecture design patterns that are available?
Back

236 [47: 154]

I want to read through different architecture design patterns and decide what suits my project requirements?
Back

244 [263: 363]

I am looking for a guidance on how to build such solution from a software architecture point of view
Back

323 [58: 137]

Managing dependencies with a simple Facade architecture pattern in VisualStudio
Back

332 [152: 363]

I know that SOA is an architecture pattern or style which is widely adopted. I also see Domain driven design is recommended by many people. Are there any other proven styles of architecture in current practice ?
Back

36 [516: 735]

I want to the best practices of this pattern enough to try it. I looked at Web Architectures and Designing Web Interfaces but I'm not sure if they are exactly what I'm looking for. Which would books would you recommend?
Back

38 [452: 571]

I'm looking for good resources on software architecture and design patterns for asynchronous and parallel programming.
Back

459 [148: 277]

I am at the moment creating a project large enough in my opinion to separate carefully the well-known layers in its architecture.
Back

53 [165: 255]

what is the difference between architectural styles and patterns in software architecture?
Back

536 [213: 284]

what is meant by ""Patterns that guide composition""? Is it components?
Back

54 [572: 886]

But now the question is, where do I handle caching? Should I define some cache interface for the packages so that they can do the caching themselves? Or should I create some kind of "Package Acccess Layer" in my MVC project that calls services and handles caching? Or simply cache everything within the Controller?
Back

55 [1419: 1506]

Best framework or system architecture for telemetry / SCADA system design & programming
Back

56 [157: 412]

I'm making a web application in JSP/Servlets and Tomcat that lets you use FFmpeg online. So you just upload the file, fill the form and download it converted. There is no need of data persistence. What could be the best software architecture for the case?
Back

567 [122: 245]

what might be the best interface to enter data stored in a relational or nosql Database via mobile and Desktop-PC browser.
Back

57 [196: 450]

can I represent a Service Oriented Architecture in a famous 4+1 architectural view model ? and how can I do it ? is SOA just an architectural style than can be modeled in 4+1? or its a totally different thing and it needs a different modeling statndards?
Back

63 [513: 672]

what benefits would I gain from learning about different architectural designs, if the types of application I plan to write mostly use n-tier and SOA patterns?
Back

694 [1291: 1345]

If not, what should I use instead (if not singletons)?
Back

706 [621: 870]

The problem that I have is where to find documentation of software architectures, I mean where are all of its components, and one could recognize the requirements, the tactics, and the chosen architecture; for example MVC, pipeline, layered or others.
Back

706 [1581: 1780]

at least the final documentation in which is described the tactics, chosen software architecture, validation of the architecture among other topics to be considered in the software architecture world?
Back

711 [592: 730]

Should the data access layer return instances of the domain classes or should there be an isolation between the domain and data access layer?
Back

712 [654: 732]

What RUP roles are responsilbe for creating the Software Architecture Document?
Back

712 [165: 277]

Based on the different views documented in SAD which RUP roles should should be responsible for creating the SAD?
Back

716 [364: 454]

Is a book available that deals with architectural best practices for desktop applications?
Back

716 [808: 880]

for instance is an event based system better than a method calling system?
Back

80 [1118: 1217]

Software architecture/Development strategy for pro and basic version with common core functionality
Back

83 [252: 555]

I'm attending a course on software architecture and I have to explain Yesod architecture.

Here's what I understand:

Yesod implement the MVC pattern using Shakespeare as "View", Persistent as a "Model" and Yesod itself as a Controller. But I don't get where to collocate the Warp server. Can you tell me?
Back

85 [163: 387]

we are planing to develop a wf server with Microsoft WF4

the requirements is to create a end user designer for the workflows , client application so every user track the tasks

what is the best architecture for this server ?
Back

SE5 [11412:11558]

A module can register itself with the Event Manager, and thereby publish events to the rest of the system, and receive events that it cares about.
Back

SE5 [11996:12222]

We can just tell it to start or stop its program and the manager takes care of it. If this other program is asked to stop and doesn't in a given amount of time, the manager knows how to force it to stop, and clean up the mess.
Back

What-are-some-software-architecture-patterns-used-when-building-microservices (What are some software architecture patterns used when [12: 90]

What are some software architecture patterns used when building microservices?
Back

Which-software-is-used-for-architectural-design (Which software is used for architectural design) [39: 59]

architectural design
Back

YSA18 [0: 370]

Software Architecture Design?

For an online library system an architect is requested to recommend two architectural patterns given two sets of required quality attributes. First set has availability and portability quality attributes. The second set has availability and integrability quality attributes.

Does anyone have suggestions about which patterns I should use?
Back

1 Coding of "Architecture Performance" from 1 file

713 [158:244]

I'm looking for tools that help me evaluate the performance of a software architecture.
Back

3 Codings of "Architecture Principles" from 3 files.

50 [1014:1152]

the point of this submission is about general architecture principles and limitations, with a specific example (SunRPC) as a typical case.
Back

54 [572: 886]

But now the question is, where do I handle caching? Should I define some cache interface for the packages so that they can do the caching

themselves? Or should I create some kind of "Package Acccess Layer" in my MVC project that calls services and handles caching? Or simply cache everything within the Controller?
Back

698 [868: 955]

Where in the hierarchy do you add the code to handle the Touch Events and Mouse Events?
Back

---

12 Codings of "Architecture Problems" from 12 files.

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17 (2) [775:1233]

My boss assigned me the task, to write the document describing the architecture of the system. The target audience are current and future developers working on the project. I need to describe what should be, but I also need to describe the deviations somehow.

So, where should I describe these problems? Bugs tracking software? Or should I describe implementation's deviations from the architecture in the document describing the architecture of the system?
Back

173 [431: 499]

we tie up threads waiting for user response which isn't a good idea
Back

21 [1846:2198]

My question then to you is how have you resolved a similar situation where you must create a robust, rich, long stay architecture utilizing new technologies that your team does not presently have architect level knowledge of? Have you had success with any of the previously mentioned strategies, or are there other approaches I have missed completely?
Back

45 [1140:1327]

My notion is that tokens should have expiry dates associated with them, and a worker process should clean these tokens up at a regular interval. Is this the right way to go about things?
Back

46 [1237:1625]

So my question is how are similiar situations resolved. Will the Purchase object have relationship only to some IUser which is then implemented by User? But this will still lead to situation when i will have in my class diagram arrows from one component to the inside of the other component. And what about situations when I want to treat my Components like black boxes? Or microservices?
Back

47 [1149:1492]

The problem occurs then i need to "pull" some low-level method from CustomDocumentLowLevel to GenericDocument (to show in app menu) - because i need to add this method to ALL FOUR classes!

And probably in the future i need to "pull" more methods from custom document.

Looks like this software architecture is bad choice in such case, isn't it?
Back

48 [693: 875]

I'd like to hear from you what you think about my simple solution. I've come that is necessary for my UI to agree with BL on a "DTO contract" so that the two layers agree on classes.
Back

51 [1733:1839]

How to store arbitrary values in a recursive structure or how to build a extensible software architecture?
Back

66 [912:1308]

What is the most common, preferred, "best", fastest, elegant way to handle data streams that cross multiple years for calculation and reporting

purposes? How would the database design and the architecture relate in this scenario (i.e. would using an ORM be fine as long as the database schema was well designed?). The critical requirements here are optimal performance and real-time availability.
Back

695 [712: 991]

As per my rival's understanding, this is solely used re the back-end hardware components and whereas I thought he is mixing the contexts and from the context of software eng it should refer to stuff that supports the application such as logging, ORM, or even framework (.net) etc.
Back

707 [227: 294]

I'm having some trouble with software architecture and organization
Back

94 [166: 333]

I am having an architecture issue, and I hope someone can point me in the right direction. My problem is: handling DTOs with one-to-many or many-to-many relationships.
Back

---

1 Coding of "Architecture Prototype" from 1 file

---

5 [377:469]

Students are asked to rapidly build a prototype of their architectured system using Eclipse.
Back

---

41 Codings of "Architecture Questions" from 36 files.

---

102 [157: 336]

Could you recommend some literature on software architecture patterns for assembling services that offer a high degree of "continuity" when dealing with software updates/releases.
Back

106 [158: 359]

I need to learn ACME (An Architecture Description Language developed at Carnegie Mellon University) in a short time for my school project. Could you introduce a useful and comprehensive resource to me.
Back

2 [163: 281]

I'm looking for some good articles on fault tolerant software architectures. Could I please have some recommendations.
Back

2009-January [4426:4557]

Okay, now you have an outer component with an assigned type, and the

assigned type has an inner structure. How do you map the two?
Back

32 [162: 260]

What are the best resources to properly establish oneself in best Software Architecture practices.
Back

35 [166: 266]

I'm looking for articles or documents which describes software architecture from RUP point of view.
Back

36 [516: 735]

I want to the best practices of this pattern enough to try it. I looked at Web Architectures and Designing Web Interfaces but I'm not sure if they are exactly what I'm looking for. Which would books would you recommend?
Back

38 [182: 247]

Any good resources on design patterns for parallel architectures?
Back

38 [452: 571]

I'm looking for good resources on software architecture and design patterns for asynchronous and parallel programming.
Back

39 [858:1153]

I think that these things come under Good Design Principles and Best Practices. I have searched the internet for these kinds of resources and have found some good resources too but I would be grateful if you recommend me some resources that you know have short, to-the-point and quality content?
Back

4 (2) [260: 382]

What are the best books out there on the theory and practice of software architecture? Include a cover picture if you can.
Back

44 [163: 333]

I am trying to design a new application from scratch and need some examples of good architectures. Preferably database driven with web front ends and some business layer.
Back

55 [920:1097]

Can anyone recommend a good book

describing an approach to developing

such a software architecture, keeping

it generic, which tools, languages.

test methods, etc to use?
Back

553 [135: 221]

Could someone explain the difference between Software Design and Software Architecture?
Back

555 [6: 144]

More specifically; if you tell someone to present you the 'design' - what would you expect them to present? Same goes for 'architecture'.
Back

608 [32: 105]

Suggestions for software architecture style to use between Java and Windows
Back

692 [6: 69]

I think the architecture is also a design process. is it right?
Back

693 [78: 128]

what's the diff between 'architecture' and 'design'?
Back

694 [1136:1292]

My question is simple (at least in its formula): are static classes a good idea for creating always available, easy to hanlde containers and method packages?
Back

696 [558: 797]

If we have two tier architecture it means we can have two physical servers, One server can have only DB (Database Server) and other server will consist Presentation (UI), Business Logic, Data Access Layer and Business Object. Is it correct ?
Back

696 [1078:1245]

I am not sure about 4 tier architecture. As per [this] article it describe 4 layers includes business object (BO). I am not sure whether we consider BO as layer or not ?
Back

697 [711: 809]

Is anyone aware of an open, relatively well supported framework to build telecoms applications on?
Back

697 [423: 547]

Note I am not looking for a discussion on the pros and cons of a particular framework - just a pointer to anything suitable...
Back

698 [1787:1862]

Famo.us - software architecture for Touch/Mouse Events - where to manage it?
Back

698 [1139:1301]

Do I add all the code for Touch Events with each individual View, or at the level I create the Context, or 'Application Object' level? Or is there somewhere else?
Back

699 [552: 746]

But we can do these things inside the Business Layer using a common programming language (especially with OOP) easily. So what is the necessity of database triggers in modern software architecture?
Back

700 [156: 413]

What would it take to design a computer system independent of hardware architecture, OS, programming language paradigms, and complier dependencies to allow the user to set the memory width of any default type in order to manage the precision of that type?
Back

703 [567: 601]

What is an Enterprise architecture?
Back

706 [1426:1580]

So bottom line, are there any books, repositories, white papers or online resources in which is described how to make a software architecture from scratch?
Back

708 [519: 642]

How do one best illustrate a systems architecture that incorporates angular, directives, services and external libraries etc?

Back

709 [570: 788]

When scaling up to multiple micro-services to support a full application you end up with a number of choices. Any thoughts on what style could eventually support continuous delivery, and minimizing downtime on upgrades?
Back

71 [173: 327]

Moving from a .NET / SQL Developer role to a more of an architect one.

Can anyone reccomend any good books for modern Software Architecture in enterprise?
Back

711 [592: 732]

Should the data access layer return instances of the domain classes or should there be an isolation between the domain and data access layer?
Back

712 [165: 275]

Based on the different views documented in SAD which RUP roles should should be responsible for creating the SAD?
Back

714 [688: 731]

What Architectures To Use With Cloud Computing
Back

716 [1266:1319]

How to get started with Desktop Software Architecture?
Back

716 [807: 879]

(for instance is an event based system better than a method calling system?)
Back

75 [658: 946]

The GUI is not that big but i wonder if there are existing strategy to implement this open/save feature, in terms of software architecture.

I guess there are much clever ways to do so, and i am looking for any documentation or design pattern that can be used in general for this purpose.
Back

84 [1253:1527]

So my question is whether somebody can provide me with references for software architecture which would fit to this kind of project.

Especially books are important, as the application is a part of my thesis, so every method and decision has to be justified with a reference.
Back

What-does-software-architecture-constitute (What does software architecture constitute_) [12: 55]

What does software architecture constitute?
Back

What-is-the-best-project-in-computer-architecture-and-organisation [12: 79]

What is the best project in computer architecture and organisation?
Back

6 Codings of "Architecture Representation" from 6 files.

588 [25: 64]

I use UML for representing architecture
Back

694 [1136:1291]

My question is simple (at least in its formula): are static classes a good idea for creating always available, easy to hanlde containers and method packages?
Back

708 [519: 644]

How do one best illustrate a systems architecture that incorporates angular, directives, services and external libraries etc?
Back

SE4 [1: 66]

Best practices for graph representation of a system architecture?
Back

What-are-the-best-ways-to-diagram-software-architecture (What are the best ways to diagram software architecture _) [12: 68]

What are the best ways to diagram software architecture?
Back

Whats-the-easiest-solution-to-create-software-architecture-diagrams [24: 86]

the easiest solution to create software architecture diagrams?
Back

---

3 Codings of "Architecture Robustness" from 2 files.

---

68 [933:1011]

What are some open source tools to check a software architecture's robustness?
Back

713 [1646:1700]

Evaluating the performance of a software architecture?
Back

713 [158: 246]

I'm looking for tools that help me evaluate the performance of a software architecture.
Back

3 Codings of "Architecture Role" from 3 files.

115 [399:467]

What could happen if a system was developed without an architecture?
Back

43 [166:247]

Someone please talk to me about the role of Software Architecture in ERP Systems.
Back

712 [165:278]

Based on the different views documented in SAD which RUP roles should should be responsible for creating the SAD?
Back

1 Coding of "Architecture Simulations" from 1 file

596 [34:90]

Tools for modeling and simulation of sotware architectures
Back

4 Codings of "Architecture Standard" from 4 files.

27 (2) [236: 245]

IEC 62304
Back

698 [868: 954]

Where in the hierarchy do you add the code to handle the Touch Events and Mouse Events?
Back

706 [1426:1580]

So bottom line, are there any books, repositories, white papers or online resources in which is described how to make a software architecture from scratch?
Back

716 [364: 453]

Is a book available that deals with architectural best practices for desktop applications?
Back

40 Codings of "Architecture Styles" from 37 files.

108 [156: 513]

I am working on a web application for my project. In this application the user has to upload the code of their object-oriented software to my application which then measures the values of coupling and cohesion for that software.

I am really confused about what type of architecture I should use while designing this application. Would MVC be a good choice?
Back

110 [156: 363]

I want to know some tips of good approach to write a CMS application/software for a gaming website such as gameloft. This question is not related to coding etc but please give tips for software architecture?
Back

14 [1872: 1959]

Best architectural choice for communication b/w a web client and a TCP server via relay
Back

176 [33: 71]

Interactive Java Software Architecture
Back

20 [894: 1121]

My question is: Is it a good architecture design to combine these classes somehow? And if so how should I combine them? I could use some kind of Dictionary<string,object> but this is not such a good idea. Any suggestions?
Back

20 (2) [1524: 1701]

From a software architecture point of view, what is a reasonable approach for gracefully handling database downtime and automatically reconnecting when the DB becomes available?
Back

205 [34: 110]

What's the difference between Architectural Patterns and Architectural Styles?
Back

234 [175: 273]

Can you please educate me on what are the software architecture design patterns that are available?
Back

26 [164: 251]

What are the differences between multi-module and single-module software architectures?
Back

332 [152: 364]

I know that SOA is an architecture pattern or style which is widely adopted. I also see Domain driven design is recommended by many people. Are there any other proven styles of architecture in current practice ?
Back

35 (2) [154: 344]

What type of software architecture style does the MEAN stack most resemble?

I am thinking Client/ Server because of the way messages are communicated between the different modules in both.
Back

36 [166: 382]

There seems to be an emerging software architecture where there is some service hosted on a web server which has multiple access points either via a web browser or mobile app. An example would be Facebook or CNN.com.
Back

459 [148: 276]

I am at the moment creating a project large enough in my opinion to separate carefully the well-known layers in its architecture.
Back

50 [550: 673]

What are the software limitations (in terms of interfaces and features) of SunRPC as a Client-Dispatcher-Server mechanism ?
Back

52 [165: 419]

i have started learning about Software architectures and i came across these terms ESB and SCA. Now these terms i found quite confusing as they seems to serve the same purpose (i know this could sound ridiculous to people masters in these topics, still).
Back

53 [165: 287]

what is the difference between architectural styles and patterns in software architecture?

Are they considered the same?
Back

56 [157: 412]

I'm making a web application in JSP/Servlets and Tomcat that lets you use FFmpeg online. So you just upload the file, fill the form and download it converted. There is no need of data persistence. What could be the best software architecture for the case?
Back

567 [122: 244]

what might be the best interface to enter data stored in a relational or nosql Database via mobile and Desktop-PC browser.
Back

57 [196: 450]

can I represent a Service Oriented Architecture in a famous 4+1 architectural view model ? and how can I do it ? is SOA just an architectural style than can be modeled in 4+1? or its a totally different thing and it needs a different modeling statndards?
Back

59 [693: 934]

After panning through multiple articles, I am confused as to where the distinction lies between the Service and Persistence layers - could they overlap or be synonyms of one another? I never hear them mentioned in really the same context.
Back

608 [32: 106]

Suggestions for software architecture style to use between Java and Windows
Back

63 [513: 672]

what benefits would I gain from learning about different architectural designs, if the types of application I plan to write mostly use n-tier and SOA patterns?
Back

697 [423: 546]

Note I am not looking for a discussion on the pros and cons of a particular framework - just a pointer to anything suitable...
Back

7 [243: 433]

Why are so many architectures needed? What are the advantages of these architectures? How can I select an appropriate architecture for my projects? What are the guidelines I need to follow?
Back

706 [1581: 1779]

at least the final documentation in which is described the tactics, chosen software architecture, validation of the architecture among other topics to be considered in the software architecture world?
Back

716 [808: 879]

for instance is an event based system better than a method calling system?
Back

80 [1118: 1217]

Software architecture/Development strategy for pro and basic version with common core functionality
Back

81 [158: 408]

I am reading about pipes and filter architecture pattern in Pattern oriented software architecture. Here I don't have to know compiler design, but author gave example with compiler design. I followed most of it, but I have difficulty in understanding
Back

83 [557: 911]

Furthermore, what is the Yesod architecture itself? I read "The Architecture of Open Source Applications" book but I don't really get if it uses a layered architecture or a component based architecture, I'm quite confident that it uses a component based architecture (correct me if I'm wrong) but I can't spot which are the component (can you tell me?).
Back

85 [163: 387]

we are planing to develop a wf server with Microsoft WF4

the requirements is to create a end user designer for the workflows , client application so every user track the tasks

what is the best architecture for this server ?
Back

87 [158: 379]

I'm building a traditional .NET MVC site, so I've got a natural 3-tier software architecture setup (presentation in the form of Views, business layer in the controller, and data layer in the models and data access layer).
Back

88 [220: 266]

Unified log processing seems to be a new style
Back

99 [749: 990]

My question is, are there any up-to-date videos, books, articles, source code, etc that I should look at to learn about the software architecture of websites, and see how larger and highly trafficked sites structure and code their software?
Back

SE5 [11996:12222]

We can just tell it to start or stop its program and the manager takes care of it. If this other program is asked to stop and doesn't in a given amount of time, the manager knows how to force it to stop, and clean up the mess.
Back

SE5 [11412:11558]

A module can register itself with the Event Manager, and thereby publish events to the rest of the system, and receive events that it cares about.
Back

SE5 [16464:16684]

an event system might have an event manager that accepts incoming events and dispatches them to event handlers. The idea of threads, asynchronous v. synchronous, and other lower level concepts do not come into play here.
Back

SE5 [16685:16874]

MVC is another example: specific details are not specified at the high level of how the three pieces interact, only that there are three separate concerns handled by separate code packages.
Back

What-are-the-relative-tradeoffs-between-the-actors-model-and-an-event-driven-architecture [12: 108]

What are the relative tradeoffs between the actor's model and an event-driven architecture?
Back

y3 [161: 358]

Service-Oriented Architecture (SOA) provides methods for systems development and integration where systems group functionality around business processes and package these as interoperable services.
Back

y6 [211: 456]

Three-tier'[1] is a client-server architecture in which the user interface, functional process logic ("business rules"), computer data storage and data access are developed and maintained as independent modules, most often on separate platforms.
Back

---

30 Codings of "Architecture Tools" from 22 files.

---

104 [678: 778]

Is it possible to generate code from Use Case, Activity or Sequence Diagram in Enterprise Architect?
Back

107 [155: 452]

I'm searching for tools for creating diagrams (illustrations) for my articles in my blog about software architecture. Often I read Microsoft Architect's Journal and illustrations at this magazine are very beautiful and comprehensive. Can you help me - what tools are used to create such diagrams ?
Back

117 [664: 944]

I did not find any tool to perform good static analysis on it, nor tools to extract the software architecture (I found several scripts that were trying to convert the Javascript in a language accepted by Doxygen but none were able to work properly and extract something valuable).
Back

2013-June [6177: 6237]

Once you have defined your architecture, you can execute it.

[Back](#)

2013-June [6077: 6170]

Don't forget to add

links to your architecture description to connect the components together
[Back](#)

2013-June [313: 410]

Both of you asked me question about how to use MyxGen in ArchStudio 5.

Below is the whole process
[Back](#)

224 [238: 415]

I come from a background in relatively advanced software architecture and as such am wondering if a few things (which I consider important for my engine) are possible with Flash
[Back](#)

58 [649: 726]

What are the available Software (Web) architectural style evaluation methods?
[Back](#)

596 [34: 92]

Tools for modeling and simulation of sotware architectures
[Back](#)

61 [271: 434]

I've always a lot of design and architecture stuff to do for my programs and never found any real software for drawing beautiful diagrams or software architecture.

Back

68 [933: 1011]

What are some open source tools to check a software architecture's robustness?
Back

713 [158: 242]

I'm looking for tools that help me evaluate the performance of a software architecture.
Back

72 [157: 298]

May I know is there a plugin that can validate software architecture? i.e. whether the code conforms to the layered architecture for example.
Back

77 [750: 945]

What specific information is it an Architect is interested in, during analysis

of software architecture dynamic views? What specific questions does

he need to be able to answer by analysing this?
Back

77 [1457: 1607]

One example tool that i have encountered is kieker framework, which does exactly what i want, but lacks, in my opinion, good visualization techniques.
Back

Are-there-any-tools-that-would-allow-me-to-easily-create-an-interactive-software-architectural-diagram (Are there any tools that woul [12: 114]

Are there any tools that would allow me to easily create an interactive software architectural diagram

Back

Is-there-a-diagram-that-breaks-down-softwares-tools-by-architecture-layer (Is there a diagram that breaks down softwares tool [49: 86]

oftwares tools by architecture layer?
Back

RG3 [2955: 3105]

"which ADLs?"--- there is yet another question to be clarified, namely: what meaning do we want to accept for the ground-term "Software Architecture"?
Back

SE1 [258: 592]

I have this larger project involving databases, different languages, and interfaces (SQL, R, C, Python, both GUI & CLI). It's growing a little too big to fit into a simple mental construct of what is actually going on. I am interested in making the mother of all charts mapping out the project from a system architecture perspective.
Back

SE5 [16425:16449]

I think Visio, not code.
Back

SE7 [3853: 4252]

In the next step, define a domain model. You can use UML in this step or choose a simple boxes-and-lines diagram. The main purpose is to establish a vocabulary and to provide a brief overview over the required entities. Now you may want to choose an architecture, i.e. what programming language are you going to choose, which platforms do you want to support, design patterns, libraries & frameworks
Back

What-tool-do-you-use-to-create-software-or-system-level-architecture-diagrams (What tool do you use to create software or system leve [12: 90]

What tool do you use to create software or system level architecture diagrams?

[Back](#)

Which-tools-can-be-used-to-represent-architecture-diagrams-for-any-software-applications (Which tools can be used to represent arc [18: 23]

tools
[Back](#)

YSA1 [0: 76]

Which is the application that can be used to design a software architecture?
[Back](#)

YSA1 [387: 448]

UMLet is an open-source UML tool with a simple user interface
[Back](#)

YSA3 [0: 152]

Looking for software architecture tools, applications, storyboard etc.?

I am looking for a software that would ease my application development process.
[Back](#)

YSA3 [1127: 1220]

Balsamiq costs 79$. you can connect storyboards or sketched pages with hyperlinks. that's it.
[Back](#)

YSA3 [1310: 1446]

ForeUI this soft is 99$ and has more then sketching abilities, it can actually "act -out" the interaction and has project based control.
[Back](#)

YSA3 [1651: 1730]

Microsoft has SketchFlow, which has all the prototyping you need and sketching.
Back

YSA3 [1879: 1967]

AXURE is next on list. perhaps the most well rounded software for software architecture
Back

---

6 Codings of "Architecture Validation" from 6 files.

---

470 [250: 378]

I want to evaluate how ""good"" my architecture is. Is it modular? Is it simple? Could it be better? Where are the biggest flaws?
Back

483 [36: 92]

How can I measure the quality of my software architecture?
Back

65 [157: 409]

Can someone explain how variability impacts the architecture validation (shortly), I am reading a book about Software Architectures and its mentioned there but I didn't get it because it was not clarified and dont know how the one can impact the other.
Back

706 [1581:1781]

at least the final documentation in which is described the tactics, chosen software architecture, validation of the architecture among other topics to be considered in the software architecture world?
Back

710 [3374:3493]

Any comments/suggestion about this design. I need your input guys on how I can improve this structure. Thanks in advance.
Back

72 [157: 298]

May I know is there a plugin that can validate software architecture? i.e. whether the code conforms to the layered architecture for example.
Back

1 Coding of "Architecture Views" from 1 file

77 [534:670]

By dynamic view i refer to the view where the information on method calls between components is presented(e.g. Sequence diagram in UML).
Back

2 Codings of "Architecture and Design Document" from 2 files.

9 [158: 303]

What is the difference between Software Architecture document and System Design Document? Can anyone provide the contents to be captured in SAD??
Back

SE5 [5295:5434]

First of all I'd say that the difference between architecture and design is mainly semantics. Some teams have check points between the two.
Back

7 Codings of "Architecture and Enterprise Architecture" from 7 files.

14 (2) [504: 591]

Is there really a difference between software architecture and enterprise architecture?
Back

42 [569: 675]

Is Enterprise architecture or software architecture used for this kind of planing? What is the difference?
Back

43 [166: 247]

Someone please talk to me about the role of Software Architecture in ERP Systems.
Back

697 [711: 806]

Is anyone aware of an open, relatively well supported framework to build telecoms applications on?
Back

71 [173: 327]

Moving from a .NET / SQL Developer role to a more of an architect one.

Can anyone reccomend any good books for modern Software Architecture in enterprise?
Back

73 [190: 600]

In many software architectures, for example multi tier or something like the enterprise library, I expand some code in external assemblies. Sometimes my project includes more then 20 assemblies per solution. Now I'm confused... Are 20 assemblies to much? If yes, what I can do in a large project with different "sections" of logic? If i implement the enterprise library, I normaly have 5 assemblies minimally.

[Back](#)

SE3 [851:1038]

Enterprise architecture - no, specific technologies should probably not go in here, since this document should focus more on business processes, and high level components supporting them.

[Back](#)

---

2 Codings of "Architecture and Functional Requirement" from 2 files.

---

17 [165: 235]

How does the key functional requirements affect software architecture?

[Back](#)

45 [1140:1327]

My notion is that tokens should have expiry dates associated with them, and a worker process should clean these tokens up at a regular interval. Is this the right way to go about things?

[Back](#)

---

7 Codings of "Architecture and Non-Functional Requirements" from 7 files.

---

102 [157: 336]

Could you recommend some literature on software architecture patterns for assembling services that offer a high degree of "continuity" when dealing with software updates/releases.

[Back](#)

109 [211: 437]

I was reading Quality Attributes of a Software Architecture where I came across this word "Rollout Schedule" under Business Quality Attributes.

Can any one please explain what it means and how it is important to your project?

Back

20 (2) [1524:1701]

From a software architecture point of view, what is a reasonable approach for gracefully handling database downtime and automatically reconnecting when the DB becomes available?

Back

3 [470: 563]

Tell whether software architecture plays any role to satisfy the non-functional requirements?

Back

706 [621: 871]

The problem that I have is where to find documentation of software architectures, I mean where are all of its components, and one could recognize the requirements, the tactics, and the chosen architecture; for example MVC, pipeline, layered or others.

Back

98 [157: 315]

I've already started studying software architecture topics and I can't understand one of the service-level requirement dimension, heterogeneity to be precise.

Back

99 [749: 990]

My question is, are there any up-to-date videos, books, articles, source code, etc that I should look at to learn about the software architecture of websites, and see how larger and highly trafficked sites structure and code their software?

Back

2 Codings of "Cloud computing architecture" from 1 file.

714 [688:732]

What Architectures To Use With Cloud Computing
Back

714 [164:527]

For my Software Architecture class, I'm trying to do a project on what software architectures work best with the cloud to create a scalable and agile application. I'm having trouble finding a starting place to research on what kinds of architectures work well with the cloud. Does anyone know any good books, blogs, articles, architectures, etc... that will help?
Back

2 Codings of "DCI Architecture" from 2 files.

608 [149:233]

I've been trying to understand DCI architecture by reading lean software architecture
Back

613 [34: 63]

examples of DCI architecture?
Back

1 Coding of "Database Architecture" from 1 file

699 [552:750]

But we can do these things inside the Business Layer using a common programming language (especially with OOP) easily. So what is the necessity of database triggers in modern software architecture?

Back

---

29 Codings of "Design Decisions" from 25 files.

---

260 [35: 133]

How do I aggregate datafeeds from affiliate networks and online merchants using custom technology?

Back

28 [163: 283]

How do you ensure that the project will be build with "good" design decisions enabling a flexible software architecture?

Back

325 [232: 301]

What's the best way of synchronisation between two isolated systems?

Back

329 [354: 404]

Is this legitimate software architecture solution?

Back

47 [1149:1492]

The problem occurs then i need to "pull" some low-level method from CustomDocumentLowLevel to GenericDocument (to show in app menu) - because i need to add this method to ALL FOUR classes!

And probably in the future i need to "pull" more methods from custom document.

Looks like this software architecture is bad choice in such case, isn't it?
Back

483 [136: 239]

I'm trying to figure out what's the best approach to implement an exchange platform over web services.
Back

54 [572: 886]

But now the question is, where do I handle caching? Should I define some cache interface for the packages so that they can do the caching themselves? Or should I create some kind of "Package Acccess Layer" in my MVC project that calls services and handles caching? Or simply cache everything within the Controller?
Back

567 [122: 243]

what might be the best interface to enter data stored in a relational or nosql Database via mobile and Desktop-PC browser.
Back

608 [32: 107]

Suggestions for software architecture style to use between Java and Windows
Back

64 [833:1010]

I'm interested in understanding the motivation which governs such a seemingly unfortunate design decision, is there a convincing reason from a software architecture perspective?
Back

67 [3815:4079]

Well, it's about software architecture and should (and of course will) be my design decision. But it would be nice to hear/read some expert (or non-expert) thougts, how to handle such a case. What are proper ways to organize the logical items for an infrastructure
Back

694 [1291:1345]

If not, what should I use instead (if not singletons)?
Back

695 [712: 992]

As per my rival's understanding, this is solely used re the back-end hardware components and whereas I thought he is mixing the contexts and from the context of software eng it should refer to stuff that supports the application such as logging, ORM, or even framework (.net) etc.
Back

696 [558: 798]

If we have two tier architecture it means we can have two physical servers, One server can have only DB (Database Server) and other server will consist Presentation (UI), Business Logic, Data Access Layer and Business Object. Is it correct ?
Back

696 [1078:1248]

I am not sure about 4 tier architecture. As per [this] article it describe 4 layers includes business object (BO). I am not sure whether we consider BO as layer or not ?
Back

697 [711: 808]

Is anyone aware of an open, relatively well supported framework to build telecoms applications on?
Back

697 [423: 548]

Note I am not looking for a discussion on the pros and cons of a particular framework - just a pointer to anything suitable...
Back

698 [868: 953]

Where in the hierarchy do you add the code to handle the Touch Events and Mouse Events?
Back

698 [1139:1302]

Do I add all the code for Touch Events with each individual View, or at the level I create the Context, or 'Application Object' level? Or is there somewhere else?
Back

699 [552: 748]

But we can do these things inside the Business Layer using a common programming language (especially with OOP) easily. So what is the necessity of database triggers in modern software architecture?
Back

702 [164: 333]

Can some1 recommend me a good ADL (Architecture Description Language) for a web based system with seven main applications which includes human resource, finance, logistics..
Back

705 [912:1360]

My question is about state of the art frameworks available by the end of 2014 that support this style of development. Experimental frameworks are also okay as far as their architecture is sufficiently clear. I don't need a laundry list of existing frameworks. I would like to see some framework that implements this kind of software architecture or, should there be no such framework, I would like to learn about those that get closest to the ideal.
Back

708 [519: 642]

How do one best illustrate a systems architecture that incorporates angular, directives, services and external libraries etc?
Back

709 [570: 789]

When scaling up to multiple micro-services to support a full application you end up with a number of choices. Any thoughts on what style could eventually support continuous delivery, and minimizing downtime on upgrades?
Back

711 [592: 733]

Should the data access layer return instances of the domain classes or should there be an isolation between the domain and data access layer?
Back

714 [688: 734]

What Architectures To Use With Cloud Computing
Back

714 [164: 528]

For my Software Architecture class, I'm trying to do a project on what software architectures work best with the cloud to create a scalable and agile application. I'm having trouble finding a starting place to research on what kinds of architectures work well with the cloud. Does anyone know any good books, blogs, articles, architectures, etc... that will help?

Back

716 [808: 882]

for instance is an event based system better than a method calling system?
Back

76 [1177:1649]

How can avoid that type of architecture while keeping the required functionality? Or how can I design the architecture in a way that eliminates the need to query one database from two distinct services?

(unfortunately the 'business model' of this app does not allow having 'account management'(1) and 'Jabber bot'(2) logic in one web service).

P.S. The most important requirement of the system in question is high availability (maybe it would affect the answer somehow).

Back

---

2 Codings of "Design Process" from 2 files.

---

692 [5: 67]

I think the architecture is also a design process. is it right?
Back

698 [868:952]

Where in the hierarchy do you add the code to handle the Touch Events and Mouse Events?
Back

---

5 Codings of "Design vs Architecture" from 5 files.

---

553 [135:222]

Could someone explain the difference between Software Design and Software Architecture?
Back

555 [6:143]

More specifically; if you tell someone to present you the 'design' - what would you expect them to present? Same goes for 'architecture'.
Back

687 [8: 49]

Software design vs. software architecture
Back

693 [78:130]

what's the diff between 'architecture' and 'design'?
Back

What-is-the-difference-between-software-architecture-and-design (What is the difference between software architecture and design_) [11: 76]

What is the difference between software architecture and design?
Back

---

6 Codings of "Designing Module Interface" from 6 files.

---

46 [1237:1625]

So my question is how are similiar situations resolved. Will the Purchase object have relationship only to some IUser which is then implemented by User? But this will still lead to situation when i will have in my class diagram arrows from one component to the inside of the other component. And what about situations when I want to treat my Components like black boxes? Or microservices?
Back

48 [693: 875]

I'd like to hear from you what you think about my simple solution. I've come that is necessary for my UI to agree with BL on a "DTO contract" so that the two layers agree on classes.
Back

54 [572: 886]

But now the question is, where do I handle caching? Should I define some cache interface for the packages so that they can do the caching themselves? Or should I create some kind of "Package Acccess Layer" in my MVC project that calls services and handles caching? Or simply cache everything within the Controller?
Back

561 [6: 131]

Architecture: component diagram (showing how the different modules of the system communicates with each other and other systems)
Back

7 (2) [638: 686]

How and when do you specify those dependencies?
Back

92 [242: 481]

For ex. there are two applications A and B. What is the difference between the following -

Single bi-directional arrow between A and B

Two arrows in parallel between A and B, one pointing to A and the other to B

Do they mean the same?
Back

---

7 Codings of "Different ADLs" from 6 files.

---

106 [174: 257]

ACME (An Architecture Description Language developed at Carnegie Mellon University)
Back

119 [383: 389]

Wright
Back

RG3 [5215:5310]

formal (Wright, etc.), semi-formal (UML, SysML), and informal (box-and-lines, ad-hoc notations)
Back

RG4 [6811:6814]

UML
Back

RG4 [6881:6885]

fUML
Back

SE8 [17: 46]

WSDL type support for Web Api
Back

y4 [73: 151]

Darwin is a language, more specifically, an architecture description language.
Back

---

12 Codings of "Documenting Architecutre" from 10 files.

2010-May [482: 826]

I'm on 3.4.2 and just attempted it. I went as far as installing from the

update site, making a new project, making a new AS4 Architecture Description

document, and loading the document into Archipelago, and it all seems to

work fine.

The only other plugin I have installed on this machine besides AS4 and the

Eclipse SDK is the Scheme IDE, FWIW.
Back

295 [56: 118]

Documenting software architectures that serve multiple markets
Back

3 (2) [158: 414]

We are a small team of 5 developers and I'm looking for some great advices about how to document the software architecture and design. I'm going for the sweet spot, where the time invested pays off. I don't want to use more time documenting than necessary.
Back

701 [376: 592]

Now my question is this document has lots of technical (internal) specification. Do you share this document with client as well? Isn't it a bad practice to let your client know about your internal software structure?
Back

706 [621: 871]

The problem that I have is where to find documentation of software architectures, I mean where are all of its components, and one could recognize the requirements, the tactics, and the chosen architecture; for example MVC, pipeline, layered or others
Back

712 [654: 733]

What RUP roles are responsilbe for creating the Software Architecture Document?
Back

RG2 [1791:1875]

Knowledge-based approaches in software documentation: A systematic literature review
Back

SE1 [3804:3902]

Good points. It's always tricky choosing which aspects of the system to go into the documentation.
Back

SE3 [1: 69]

A software architecture document should present the technology used?
Back

SE3 [1043:1119]

Solution architecture - yes, since the document describes a specific system.
Back

SE3 [2442:2607]

I also care which version, and which protocols are in use. These need to go in an architecture document, otherwise it tells me nothing about the actual architecture.
Back

YSA8 [271: 355]

Use cases and class diagrams are good ways to document the application architecture.
Back

2 Codings of "Domain Driven Design" from 2 files.

332 [152:361]

I know that SOA is an architecture pattern or style which is widely adopted. I also see Domain driven design is recommended by many people. Are there any other proven styles of architecture in current practice ?
Back

711 [592:729]

Should the data access layer return instances of the domain classes or should there be an isolation between the domain and data access layer?
Back

3 Codings of "Domain Understanding" from 3 files.

1 [162: 232]

In what domains do each of these software architectures shine or fail?
Back

589 [338: 424]

I am developing the software architecture for an embedded system that is quite complex
Back

700 [9288:9361]

Thinking outside of the box! Computer Architecture & Software Integration
Back

16 Codings of "Drawing Architecture" from 16 files.

107 [155: 452]

I'm searching for tools for creating diagrams (illustrations) for my articles in my blog about software architecture. Often I read Microsoft Architect's Journal and illustrations at this magazine are very beautiful and comprehensive. Can you help me - what tools are used to create such diagrams ?

Back

112 [611: 778]

If anyone has any ideas about how to improve this or if anyone can provide a good example of what a correct architecture chart contain, please respond and let me know!

Back

171 [34: 82]

How do I read this Software Architecture Diagram

Back

223 [297: 467]

They mentioned that it was called a logical architecture diagram. This lead me to wonder which are some of the most popular approaches to diagraming software architecture

Back

224 [32: 85]

What are some techniques for diagraming architectures?

Back

323 [187: 356]

Recently I started learning Software architecture and it talks about architecture components and connectors and an UML-2 diagram type is also called component diagrams.

Back

561 [6: 132]

Architecture: component diagram (showing how the different modules of the system communicates with each other and other systems)
Back

6 [452: 710]

I've tried to search for any clear architecture description of iText but still have no luck. I'm still a newbie in Software Architecture field and it's still quite hard for me to define the architecture by myself just by looking at the source code structure.
Back

61 [271: 434]

I've always a lot of design and architecture stuff to do for my programs and never found any real software for drawing beautiful diagrams or software architecture.
Back

708 [519: 644]

How do one best illustrate a systems architecture that incorporates angular, directives, services and external libraries etc?

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SE1 [258: 592]

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Back

SE3 [3494:3683]

There's no simple "yes" or "no" answer - it's the same as asking how much technical detail you should get into during a meeting with your clients. The answer is "only as much as necessary".
Back

SE4 [1: 66]

Best practices for graph representation of a system architecture?
Back

SE6 [3679:3851]

UML is good for the architecture, the real purpose of which is to be shown to programmers so they understand the bigger picture, but isn't as well suited to detailed work.
Back

YSA3 [0: 152]

Looking for software architecture tools, applications, storyboard etc.?

I am looking for a software that would ease my application development process.
Back

---

2 Codings of "Embedded Systems" from 2 files.

---

589 [337: 423]

I am developing the software architecture for an embedded system that is quite complex
Back

700 [9288:9359]

Thinking outside of the box! Computer Architecture & Software Integration
Back

1 Coding of "Fault Tolerant Architecture" from 1 file

2 [163:281]

I'm looking for some good articles on fault tolerant software architectures. Could I please have some recommendations.
Back

2 Codings of "Formal Architecture" from 2 files.

292 [999:1079]

Is there a formal modeling language that can simplify communicating this intent?
Back

97 [1854:1923]

How to learn about formal top-down approach to software architecture?
Back

15 Codings of "Identify Architecture Type" from 15 files.

11 (2) [2163:2400]

One of my co-worker, who joined the project recently, asked me if this was a common architecture, if there was a name for such a design. I don't have an answer, since I am not really familiar with other real-world software architectures.
Back

22 [160: 491]

I'm familiar with object-oriented architecture, including use of design patterns and class diagrams for visualization, and I know of service-oriented architecture with its contracts and protocol bindings, but is there anything characteristic about a software architecture for a system written in a functional programming language?
Back

22 (2) [433: 676]

By connecting I mean send messages between them. My problem is, that I'am not sure what technology or architecture to use, and hope to get some advice from you. (I think this question is more about software architecture then gorilla vs. shark)
Back

28 (2) [484: 665]

The whole architecture is hierarchical.. the 'tree' is much bigger than this really. Does this sort of architecture have a name (hierarchical?!). What are the known pros and cons?
Back

33 (2) [1033:1128]

Our software architecture is an Onion Architecture as proposed by Jeffrey Pallermo back in 2008
Back

37 [158: 231]

I have a relatively new project that employs a microservice architecture.
Back

56 [157: 412]

I'm making a web application in JSP/Servlets and Tomcat that lets you use FFmpeg online. So you just upload the file, fill the form and download it converted. There is no need of data persistence. What could be the best software architecture for the case?
Back

6 (2) [241: 461]

I can't classify the architecture properly. It's some kind of Enterprise Architecture, but what exactly... SOA, ESB (Enterprise Service Bus), Message Bus, Event Driven SOA, there are so many terms in Enterprise software.
Back

8 (2) [673: 857]

is creating an architecture description of that system a violation of the DRY Principle? After all, if you need to know the architecture then you could always just look at the code...
Back

What-is-the-software-architecture-behind-Apple-Push-Notification-Service (What is the software architecture behind Apple Pu [12: 85]

What is the software architecture behind Apple Push Notification Service?
Back

What-is-the-software-architecture-of-Archicad (What is the software architecture of Archicad_) [12: 58]

What is the software architecture of Archicad?
Back

What-is-the-software-architecture-of-Quora-1 (What is the software architecture of Quora_) [12: 55]

What is the software architecture of Quora?
Back

What-is-the-software-architecture-of-Siri (What is the software architecture of Siri_) [12: 54]

What is the software architecture of Siri?

[Back](#)

What-is-the-software-architecture-of-Skype (What is the software architecture of Skype_) [12: 55]

What is the software architecture of Skype?
[Back](#)

What-is-the-software-architecture-of-Viber (What is the software architecture of Viber_) [12: 55]

What is the software architecture of Viber?
[Back](#)

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12 Codings of "Implementation Issues" from 12 files.

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103 [2043:2148]

So purely from a software architecture and design pattern point of view, how would you approaching this?
[Back](#)

122 [165: 558]

I create three Project layer -Application layer, Business laer and DataAccess layer according to software architecture.Now I want to access Richtextbox from application layer to Business Logic layer.in business logic layer I implemented a WikipediaPerseCode to show the short text from Wikipedia page.I write the code. But I am not sure how to reference and show the text in application layer.
[Back](#)

470 [54: 131]

Where to implement INotifyPropertyChanged interface in software architecture?
[Back](#)

613 [144: 245]

I'm using Laravel 5.2 to build an abstract system. When a customer needs some specific implementation
Back

698 [868: 951]

Where in the hierarchy do you add the code to handle the Touch Events and Mouse Events?
Back

73 [191: 600]

In many software architectures, for example multi tier or something like the enterprise library, I expand some code in external assemblies. Sometimes my project includes more then 20 assemblies per solution. Now I'm confused... Are 20 assemblies to much? If yes, what I can do in a large project with different "sections" of logic? If i implement the enterprise library, I normaly have 5 assemblies minimally.
Back

74 [174: 348]

I have a project with a typical 3 layer structure(UI/Domain/Data layer). What is the pros and cons to have both domain model entities in domain layer and data entities layer.
Back

78 [163: 425]

I'm wondering if I should change the software architecture of one of my projects.

I'm developing software for a project where two sides (in fact a host and a device) use shared code. That helps because shared data, e.g. enums can be stored in one central place.
Back

79 [156: 530]

I am trying to find a good way to design this problem from a software architecture perspective.

I'm using hibernate as my ORM. For simplicity, I have a destination class with members: id and name.

I can use hibernate session, to save/write destination entities to database. However, when I have to read/search for different destinations, I'm not

sure how to organise this.
Back

91 [156: 263]

How does Modules, Class, Namespace, Project,Folder,File relate in software architecture of c# application.
Back

93 [466: 625]

I then need to analyse/display the data in Graphical form within a java based web-app ASAP.

Does anyone have any advice as to efficient software architecture?
Back

SE1 [2590:2729]

When I took my course in software architecture, the focus was on the 4+1 Architectural View Model, but there are other view models as well.
Back

---

2 Codings of "Improving Skill" from 2 files.

---

62 [242:404]

And wish to improve skills in software architecture, see programming in a bigger picture. I've read , but found that not really help. Can someone give guideline?
Back

Do-we-have-dumps-for-a-SOA-certification (Do we have dumps for a SOA certification_) [12: 53]

Do we have dumps for a SOA certification?
Back

1 Coding of "Lean Software Architecture" from 1 file

608 [149:234]

I've been trying to understand DCI architecture by reading lean software architecture
Back

70 Codings of "Learning Architecture" from 66 files.

104 [678: 778]

Is it possible to generate code from Use Case, Activity or Sequence Diagram in Enterprise Architect?
Back

109 [211: 437]

I was reading Quality Attributes of a Software Architecture where I came across this word "Rollout Schedule" under Business Quality Attributes.

Can any one please explain what it means and how it is important to your project?
Back

114 [191: 265]

What is the difference between software architecture and top-level-design?
Back

118 [211: 344]

Why does a layered software architecture not always translate efficiently

to a tiered deployment? Explain what is meant by both terms

[Back](#)

120 [165: 356]

I am reading a lot of architecture (N-Layered and DDD) yet most of the articles are about web site architecture and develop mostly windows services.

Can the architecture be used the same way?
[Back](#)

171 [34: 82]

How do I read this Software Architecture Diagram
[Back](#)

176 [237: 346]

I can find definitions for both. The problem is that I don't get what each one of them means in plain english
[Back](#)

18 [165: 241]

Does Facade Design Pattern inherits the concept of Facade from architecture?
[Back](#)

2007-August [837:1030]

At a surface level, I understand how you would like to extend

ArchStudio, but I'm not familiar enough with the semantics of

CommUnity architecture descriptions to understand how this would work.
[Back](#)

205 [34: 112]

What's the difference between Architectural Patterns and Architectural Styles?
Back

22 (2) [433: 676]

By connecting I mean send messages between them. My problem is, that I'am not sure what technology or architecture to use, and hope to get some advice from you. (I think this question is more about software architecture then gorilla vs. shark)
Back

223 [297: 465]

They mentioned that it was called a logical architecture diagram. This lead me to wonder which are some of the most popular approaches to diagraming software architecture
Back

224 [32: 85]

What are some techniques for diagraming architectures?
Back

23 [156: 394]

I am reading Microsoft Software Architecture Guide, 2nd Edition, at the same time i am looking up information in internet and i am bit Confused in Understanding of Layer Entities, DTOs and Models, if someone can clear it up with examples.
Back

234 [175: 271]

Can you please educate me on what are the software architecture design patterns that are available?
Back

27 [1450:1648]

So have you ever seen some software architect that you feel awesome, excellent and very easy to extend? I think I really need to see some example of what an excellent software architecture means.
Back

27 (2) [997:1086]

So in short my question is this: What exactly does a "software architecture" consist of?
Back

27 (2) [592: 848]

Now I went to an applied computer science school, so the vast majority of my teachings were around how to actually write code and working on projects, so as far as I can remember, we never covered anything involving creating software architecture diagrams.
Back

29 [395: 461]

what the problems that will rise when using Software Architecture.
Back

30 [641: 706]

What's the difference between a wrapper, a bridge and a mediator?
Back

32 [162: 260]

What are the best resources to properly establish oneself in best Software Architecture practices.
Back

323 [187: 355]

Recently I started learning Software architecture and it talks about architecture components and connectors and an UML-2 diagram type is also called component diagrams.
Back

33 [720: 890]

Any object can send any message via message bus and objects that are subscribed for this kind of message will receive it.

What is the correct term for such architecture?
Back

35 [166: 266]

I'm looking for articles or documents which describes software architecture from RUP point of view.
Back

38 [452: 571]

I'm looking for good resources on software architecture and design patterns for asynchronous and parallel programming.
Back

42 [569: 675]

Is Enterprise architecture or software architecture used for this kind of planing? What is the difference?
Back

43 [166: 247]

Someone please talk to me about the role of Software Architecture in ERP Systems.
Back

49 [226: 415]

We don't know why most examples for layered software architecture uses a separate Visual Studio Project? What are disadvantages of logical separating the layers into Visual Studio Projects?
Back

5 (2) [156: 486]

What is the best way to improve your skills in software architecture? We were taught design patterns in university, and I see plenty of books with simple and straight forward examples, but aside from them, how can you learn good architecture? In other words, how does one evolve into a great architect? What are the prerequisites?
Back

50 [550: 673]

What are the software limitations (in terms of interfaces and features) of SunRPC as a Client-Dispatcher-Server mechanism ?
Back

52 [165: 419]

i have started learning about Software architectures and i came across these terms ESB and SCA. Now these terms i found quite confusing as they seems to serve the same purpose (i know this could sound ridiculous to people masters in these topics, still).
Back

53 [165: 287]

what is the difference between architectural styles and patterns in software architecture?

Are they considered the same?
Back

54 [572: 886]

But now the question is, where do I handle caching? Should I define some cache interface for the packages so that they can do the caching themselves? Or should I create some kind of "Package Acccess Layer" in my MVC project that calls services and handles caching? Or simply cache everything within the Controller?
Back

55 [920:1097]

Can anyone recommend a good book

describing an approach to developing

such a software architecture, keeping

it generic, which tools, languages.

test methods, etc to use?
Back

553 [135: 222]

Could someone explain the difference between Software Design and Software Architecture?
Back

575 [155: 196]

My question is about software architecture
Back

584 [117: 203]

I can't get the precise differences between software structure and software architecture
Back

59 [693: 934]

After panning through multiple articles, I am confused as to where the distinction lies between the Service and Persistence layers - could they overlap or be synonyms of one another? I never hear them mentioned in really the same context.
Back

60 [277: 428]

Can anyone help me understand these w.r.t software architecture/design? Thank you.

business objects

business engines

business entities

business rules
Back

62 [242: 404]

And wish to improve skills in software architecture, see programming in a bigger picture. I've read , but found that not really help. Can someone give guideline?
Back

63 [513: 672]

what benefits would I gain from learning about different architectural designs, if the types of application I plan to write mostly use n-tier and SOA patterns?
Back

65 [157: 409]

Can someone explain how variability impacts the architecture validation (shortly), I am reading a book about Software Architectures and its mentioned there but I didn't get it because it was not clarified and dont know how the one can impact the other.
Back

69 [1298:1514]

Now what would happen if every layer ist executed on different machines - would that change the Dataflow Diagram or would it stay the same since the dataflow stays the same - only the underlying architecture changes?
Back

692 [6: 68]

I think the architecture is also a design process. is it right?
Back

693 [78: 129]

what's the diff between 'architecture' and 'design'?
Back

70 [1443:1545]

I'm very excited to get into software architecture, but still am a beginner, so take it easy on me. :)

Back

703 [567: 600]

What is an Enterprise architecture?
Back

703 [158: 405]

I am a web developer, I want to become software architect, and I learn everyday about it, but when I am learning software architecture I see TOGAF framework for enterprise architecture, I want to get solid understand in an enterprise architecture.
Back

706 [621: 869]

The problem that I have is where to find documentation of software architectures, I mean where are all of its components, and one could recognize the requirements, the tactics, and the chosen architecture; for example MVC, pipeline, layered or others.
Back

708 [519: 640]

How do one best illustrate a systems architecture that incorporates angular, directives, services and external libraries etc?
Back

714 [163: 525]

For my Software Architecture class, I'm trying to do a project on what software architectures work best with the cloud to create a scalable and agile application. I'm having trouble finding a starting place to research on what kinds of architectures work well with the cloud. Does anyone know any good books, blogs, articles, architectures, etc... that will help?
Back

716 [1266:1320]

How to get started with Desktop Software Architecture?
Back

74 [174: 348]

I have a project with a typical 3 layer structure(UI/Domain/Data layer). What is the pros and cons to have both domain model entities in domain layer and data entities layer.
Back

80 [1118:1217]

Software architecture/Development strategy for pro and basic version with common core functionality
Back

81 [158: 408]

I am reading about pipes and filter architecture pattern in Pattern oriented software architecture. Here I don't have to know compiler design, but author gave example with compiler design. I followed most of it, but I have difficulty in understanding
Back

81 [1179:1465]

1. What does author mean by " not to construct abstract tree explictily" ?

2. I just need to understand above grammer rules what does it doing? As I am not designing lanuguage, I have to understand pattern. If I have good understanding on above example I can follow pattern effectively?
Back

83 [252: 555]

I'm attending a course on software architecture and I have to explain Yesod architecture.

Here's what I understand:

Yesod implement the MVC pattern using Shakespeare as "View", Persistent as a "Model" and Yesod itself as a Controller. But I don't get where to collocate the Warp server. Can you tell me?
Back

84 [1253:1527]

So my question is whether somebody can provide me with references for software architecture which would fit to this kind of project.

Especially books are important, as the application is a part of my thesis, so every method and decision has to be justified with a reference.
Back

88 [961:1135]

Question: Is Unified Log Processing a new architecture style?

Please justify your answer with facts to ensure this question and the responses meets Stackoverflow's criteria.
Back

97 [1854:1923]

How to learn about formal top-down approach to software architecture?
Back

98 [157: 315]

I've already started studying software architecture topics and I can't understand one of the service-level requirement dimension, heterogeneity to be precise.
Back

99 [749: 990]

My question is, are there any up-to-date videos, books, articles, source code, etc that I should look at to learn about the software architecture of websites, and see how larger and highly trafficked sites structure and code their software?
Back

RG3 [4798:5106]

In our research, we follow the ISO/IEC/IEEE 42010:2010 definition for software architectures as the fundamental conception of a software system in terms of its constituent elements and their relationships with each other and the environment, as well as the principles guiding the system design and evolution.
Back

SE1 [4301:4445]

I would recommend picking up a book on software architecture (I recommend Software Architecture in Practice, I think it's on the second edition)
Back

SE2 [3772:4151]

The high-level requirements are used to create the software architecture and the low-level requirements, which also inform each other. The architecture and low-level requirements capture design constraints, input and output definitions, data and control flows, resource management, and design rationale. The architecture and low-level requirements are used to create source code.
Back

YSA1 [4553:4745]

Software architecture forms a set of abstractions about the system that provide enough essential information to form the basis for communication, analysis, decision making and risk assessment.
Back

YSA2 [158: 241]

Software architecture is the structure of the programs which run on our computers.
Back

YSA20 [56: 174]

what are the differences between software architectural design & object-oriented design? can provide me some examples?
Back

YSA20 [295: 458]

Software architecture refers to the plan as it emerges from the specification, showing the details of the objects, types, and the relationship between the objects.
Back

YSA4 [0: 110]

I need to become a software architecture guru fast (at least try), can someone point to information resources?
Back

1 Coding of "MVC and Client Server" from 1 file

15 (2) [819:867]

Isnt MVC a form of client server architecture ??
Back

13 Codings of "MVC and Layered" from 11 files.

108 [156: 513]

I am working on a web application for my project. In this application the user has to upload the code of their object-oriented software to my application which then measures the values of coupling and cohesion for that software.

I am really confused about what type of architecture I should use while designing this application. Would MVC be a good choice?
Back

118 [211: 344]

Why does a layered software architecture not always translate efficiently

to a tiered deployment? Explain what is meant by both terms
Back

122 [165: 558]

I create three Project layer -Application layer, Business laer and DataAccess layer according to software architecture.Now I want to access Richtextbox from application layer to Business Logic layer.in business logic layer I implemented a WikipediaPerseCode to show the short text from Wikipedia page.I write the code. But I am not sure how to reference and show the text in application layer.
Back

15 (2) [769: 814]

What is the actual difference between them ??
Back

49 [226: 415]

We don't know why most examples for layered software architecture uses a separate Visual Studio Project? What are disadvantages of logical separating the layers into Visual Studio Projects?
Back

59 [693: 934]

After panning through multiple articles, I am confused as to where the distinction lies between the Service and Persistence layers - could they overlap or be synonyms of one another? I never hear them mentioned in really the same context.
Back

699 [552: 748]

But we can do these things inside the Business Layer using a common programming language (especially with OOP) easily. So what is the necessity of database triggers in modern software architecture?
Back

72 [157: 298]

May I know is there a plugin that can validate software architecture? i.e. whether the code conforms to the layered architecture for example.
Back

74 [174: 348]

I have a project with a typical 3 layer structure(UI/Domain/Data layer). What is the pros and cons to have both domain model entities in domain

layer and data entities layer.
Back

75 [337: 656]

The first idea i have is to take all the widgets, class or model to be save and add a saveToFile / openFromFile methods, using QFile and QDataStream for data serialization.

The global architecture is a kind of implementation of the Smart UI approach however i am mixing MVC triads, and widgets inside the QMainWindow.
Back

SE5 [6693: 6922]

I would say Model, View, Controller (MVC) is another example of an architecture pattern in common use, splitting up responsibility of the components of a system to allow for parts to be swapped out, to contain errors and testing.
Back

SE5 [16685:16874]

MVC is another example: specific details are not specified at the high level of how the three pieces interact, only that there are three separate concerns handled by separate code packages.
Back

SE5 [18642:18726]

Why are you using MVC? Is it all you know of? Are there better patterns to use? Why?
Back

---

4 Codings of "Model Transformation" from 1 file.

RG4 [3435:3622]

I do not regret the switch from, for example, ATL. For M2M ATL is sufficient and worth a look if you only want to do M2M. But it is not part of such a comprehensive tool box like Epsilon.
Back

RG4 [3930:4091]

We did a similar comparison about a year ago. Our conclusion was that ATL is the best practical choice for our case, which involved transformation of UML models.
Back

RG4 [5663:6148]

Any language that outputs information in structured format, such as xml, is practically uitable for transformations. The suitability depends on the type of model you target as input and the type of transformation you target as an output, e.g. CIM, PIM, PSM, code. Key MDA standards are the UML, Meta-Object Facility (MOF), XML Metadata Inter- change (XMI) and Object Constraint Language (OCL). OMG's MOF and XMI standards are used to store, transport and exchange models between tools.
Back

RG4 [6750:6942]

fUML specifies precise semantics for an executable subset of UML, and Alf specifies a textual action language with fUML semantics. fUML and Als are suitable for transformation of UML to code.
Back

2 Codings of "Modeling Language" from 1 file.

292 [999:1077]

Is there a formal modeling language that can simplify communicating this intent?
Back

292 [1159:1249]

I'm not sure if there is actually a standard modeling approach to SPL that i'm not aware of
Back

---

2 Codings of "Multiple Architecture Value" from 2 files.

---

10 [415:579]

Are there web app features or architectural value (e.g. maintainability, extensibility, performance, etc...) that you can only realize by using multiple extensions?
Back

7 [243:433]

Why are so many architectures needed? What are the advantages of these architectures? How can I select an appropriate architecture for my projects? What are the guidelines I need to follow?
Back

---

2 Codings of "Optimal Performance" from 2 files.

---

66 [912:1308]

What is the most common, preferred, "best", fastest, elegant way to handle data streams that cross multiple years for calculation and reporting purposes? How would the database design and the architecture relate in this scenario (i.e. would using an ORM be fine as long as the database schema was well designed?). The critical requirements here are optimal performance and real-time availability.
Back

713 [1646:1699]

Evaluating the performance of a software architecture?
Back

2 Codings of "Organizing Items" from 2 files.

67 [3815:4079]

Well, it's about software architecture and should (and of course will) be my design decision. But it would be nice to hear/read some expert (or non-expert) thougts, how to handle such a case. What are proper ways to organize the logical items for an infrastructure
Back

698 [868: 950]

Where in the hierarchy do you add the code to handle the Touch Events and Mouse Events?
Back

2 Codings of "Requirements to Select Domain" from 2 files.

1 [234:303]

Which key requirements would prompt you to choose one over the other?
Back

706 [621:868]

The problem that I have is where to find documentation of software architectures, I mean where are all of its components, and one could recognize the requirements, the tactics, and the chosen architecture; for example MVC, pipeline, layered or others.
Back

1 Coding of "Security" from 1 file

23 (2) [1542:1786]

Now if there's nothing technically that prevents us from writing a 100% secure OS and from then writing a 100% secure server, why hasn't it been done? Does it means our architecture and development methodologies (and tools?) are deeply flawed?
Back

1 Coding of "Service Oriented Architecture" from 1 file

332 [152:361]

I know that SOA is an architecture pattern or style which is widely adopted. I also see Domain driven design is recommended by many people. Are there any other proven styles of architecture in current practice ?
Back

13 Codings of "Software Architect" from 9 files.

712 [165: 274]

Based on the different views documented in SAD which RUP roles should should be responsible for creating the SAD?
Back

SE5 [16253:16449]

Architecture looks at high level concepts. Who are the actors in the system? What are the major objects and which ones are responsible for what? When I think architecture, I think Visio, not code.
Back

What-are-the-main-steps-of-Software-Architecture (What are the main steps of Software Architecture _) [12: 61]

What are the main steps of Software Architecture?
Back

What-information-is-it-an-Architect-is-interested-in-during-analysis-of-software-architecture-dynamic-views-What-tools-you-ha [12: 177]

What information is it an Architect is interested in, during analysis of software architecture dynamic views? What tools you have experienced throughout your career?
Back

YSA16 [929: 1093]

generally an architect is a very skilled programmer that is in charge to implement the core foundations of an application that is built on top of such foundations.
Back

YSA16 [1262: 1580]

the architect defines the abstraction layers the application will have, the mechanisms to let it be extended or modified; the mechanisms to make it maintainable; the way the application will interact with the data base, the memory management, the caché subsystems needed to perform the tasks faster and all that stuff.
Back

YSA21 [0: 83]

Software Engineer vs. Software Architect?

What is the difference between those two?
Back

YSA21 [161: 244]

In order to become a software architect, what MAJOR will i need to pick in college?
Back

YSA21 [415: 531]

software engineering is the developing of the sofware itself and software architecture is the design of the software
Back

YSA5 [0: 137]

Software development is pretty much software architecture?

i want to know if those careers are realted or are different fields? thank you
Back

YSA6 [0: 151]

Software developement career include architecture software?

software development career include architecture software or are totally different fields?
Back

YSA6 [689: 930]

Architects are usually either software developers or system analysts. I think developers make the best architects, but then being a developer myself, I'm kind of biased. I feel developers have a better understanding of the underlying pieces.
Back

YSA7 [0: 57]

Trying to choose bw software engineering or architecture?
Back

---

27 Codings of "Software Architecture" from 27 files.

---

223 [297: 466]

They mentioned that it was called a logical architecture diagram. This lead me to wonder which are some of the most popular approaches to diagraming software architecture
Back

244 [263: 362]

I am looking for a guidance on how to build such solution from a software architecture point of view.
Back

323 [187: 354]

Recently I started learning Software architecture and it talks about architecture components and connectors and an UML-2 diagram type is also called component diagrams.
Back

325 [232: 300]

What's the best way of synchronisation between two isolated systems?
Back

329 [354: 403]

Is this legitimate software architecture solution?
Back

334 [6: 79]

If i had to talk for an hour on 'Current trends in Software architecture'
Back

536 [213: 283]

what is meant by ""Patterns that guide composition""? Is it components?
Back

567 [122: 242]

what might be the best interface to enter data stored in a relational or nosql Database via mobile and Desktop-PC browser.
Back

575 [155: 197]

My question is about software architecture
Back

584 [117: 205]

I can't get the precise differences between software structure and software architecture
Back

596 [34: 91]

Tools for modeling and simulation of sotware architectures
Back

622 [6: 49]

Talking about software architecture concepts
Back

687 [8: 48]

Software design vs. software architecture
Back

696 [1078:1247]

I am not sure about 4 tier architecture. As per [this] article it describe 4 layers includes business object (BO). I am not sure whether we consider BO as layer or not ?
Back

698 [1787:1862]

Famo.us - software architecture for Touch/Mouse Events - where to manage it?
Back

706 [1426:1582]

So bottom line, are there any books, repositories, white papers or online resources in which is described how to make a software architecture from scratch?
Back

712 [165: 276]

Based on the different views documented in SAD which RUP roles should should be responsible for creating the SAD?
Back

Software-Architecture-Is-it-difficult-to-manage-memory-manually (Software Architecture _ Is it difficult to manage memory manually_) [13: 77]

oftware Architecture: Is it difficult to manage memory manually?
Back

Software-Architecture-What-data-should-and-should-not-be-cached (Software Architecture _ What data should and should not be cached_) [12: 77]

Software Architecture: What data should and should not be cached?
Back

What-is-software-architecture-about (What is software architecture about_) [20: 42]

software architecture
Back

What-is-software-architecture-design (What is software architecture design_) [783: 804]

Software architecture
Back

What-is-the-best-software-architecture (What is the best software architecture _) [12: 51]

What is the best software architecture?
Back

What-is-the-difference-between-Software-Architecture-and-Systems-Architecture (What is the difference between Software Architecture an [12: 90]

What is the difference between Software Architecture and Systems Architecture?
Back

What-is-the-difference-between-software-architecture-and-design (What is the difference between software architecture and design_) [12: 76]

What is the difference between software architecture and design?
Back

When-is-a-major-software-architecture-re-work-a-good-idea (When is a major software architecture re-work a good idea_) [28: 49]

software architecture
Back

Which-is-best-software-for-architecture-resume (Which is best software for architecture resume_) [26: 51]

software for architecture
Back

Which-is-the-best-robot-software-architecture (Which is the best robot software architecture _) [36: 57]

software architecture
Back

---

2 Codings of "Software Architecture Trends " from 2 files.

334 [6: 79]

If i had to talk for an hour on 'Current trends in Software architecture'
Back

338 [53:120]

What are the current trends in Software architecture apart from SOA
Back

1 Coding of "Software Product Lines" from 1 file

292 [1159:1250]

I'm not sure if there is actually a standard modeling approach to SPL that i'm not aware of
Back

2 Codings of "Structure and Architecture" from 2 files.

584 [117:202]

I can't get the precise differences between software structure and software architecture
Back

589 [55:102]

Software structure versus Software architecture

Back

---

27 Codings of "Suitable Architecture Selection" from 25 files.

---

100 [1116: 1178]

best database design with shared data and multiple application
Back

101 [1068: 1221]

There are hundreds of software architecture articles online but not many which help you to translate that architecture into solutions, projects and code.
Back

108 [156: 513]

I am working on a web application for my project. In this application the user has to upload the code of their object-oriented software to my application which then measures the values of coupling and cohesion for that software.

I am really confused about what type of architecture I should use while designing this application. Would MVC be a good choice?
Back

11 [148: 522]

Body :: I have different sensors scattered around the city and I'll get temperature, pressure, noise, etc. via those sensors over a TCP protocol. To design my software I'm considering a few architectural styles and I can't decide between publish-subscribe, server-client and maybe rule-based models.

Between these three models which one is ideal considering pros and cons?
Back

110 [156: 363]

I want to know some tips of good approach to write a CMS application/software for a gaming website such as gameloft. This question is not related to coding etc but please give tips for software architecture?
Back

15 [1606: 1745]

Software Architecture and Database Design: One database/web application per each company or one database/web application for all companies?
Back

2 [163: 281]

I'm looking for some good articles on fault tolerant software architectures. Could I please have some recommendations.
Back

234 [175: 270]

Can you please educate me on what are the software architecture design patterns that are available?
Back

236 [47: 155]

I want to read through different architecture design patterns and decide what suits my project requirements?
Back

27 [1450: 1648]

So have you ever seen some software architect that you feel awesome, excellent and very easy to extend? I think I really need to see some example of what an excellent software architecture means.
Back

608 [32: 104]

Suggestions for software architecture style to use between Java and Windows
Back

696 [1078: 1246]

I am not sure about 4 tier architecture. As per [this] article it describe 4 layers includes business object (BO). I am not sure whether we consider BO as layer or not ?
Back

697 [711: 807]

Is anyone aware of an open, relatively well supported framework to build telecoms applications on?
Back

697 [423: 549]

Note I am not looking for a discussion on the pros and cons of a particular framework - just a pointer to anything suitable...
Back

705 [912: 1361]

My question is about state of the art frameworks available by the end of 2014 that support this style of development. Experimental frameworks are also okay as far as their architecture is sufficiently clear. I don't need a laundry list of existing frameworks. I would like to see some framework that implements this kind of software architecture or, should there be no such framework, I would like to learn about those that get closest to the ideal.
Back

706 [1581: 1778]

at least the final documentation in which is described the tactics, chosen software architecture, validation of the architecture among other topics to be considered in the software architecture world?
Back

714 [688: 733]

What Architectures To Use With Cloud Computing
Back

714 [163: 526]

For my Software Architecture class, I'm trying to do a project on what software architectures work best with the cloud to create a scalable and agile application. I'm having trouble finding a starting place to research on what kinds of architectures work well with the cloud. Does anyone know any good books, blogs, articles, architectures, etc... that will help?
Back

716 [808: 881]

for instance is an event based system better than a method calling system?
Back

78 [163: 425]

I'm wondering if I should change the software architecture of one of my projects.

I'm developing software for a project where two sides (in fact a host and a device) use shared code. That helps because shared data, e.g. enums can be stored in one central place.
Back

79 [156: 530]

I am trying to find a good way to design this problem from a software architecture perspective.

I'm using hibernate as my ORM. For simplicity, I have a destination class with members: id and name.

I can use hibernate session, to save/write destination entities to database. However, when I have to read/search for different destinations, I'm not sure how to organise this.
Back

89 [157: 393]

We are currently bringing an online business software to other EU markets, where not only language but also rules and regulations differ from country to country which made me wonder, what is the best way to implement such in a software?
Back

93 [466: 625]

I then need to analyse/display the data in Graphical form within a java based web-app ASAP.

Does anyone have any advice as to efficient software architecture?
Back

96 [809: 945]

I wanted to know what is the best way to manage data in an android app ? What is the most efficient architecture, and the cleanest one ?
Back

SE5 [12888:12973]

Your natural language distinction is interesting and very helpful to my goal. Thanks!
Back

YSA11 [0: 59]

What is the best software architecture for autonomous UAVs?
Back

YSA18 [0: 370]

Software Architecture Design?

For an online library system an architect is requested to recommend two architectural patterns given two sets of required quality attributes. First set has availability and portability quality attributes. The second set has availability and integrability quality attributes.

Does anyone have suggestions about which patterns I should use?
Back

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5 Codings of "UML ADL" from 4 files.

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561 [6: 134]

Architecture: component diagram (showing how the different modules of the system communicates with each other and other systems)
Back

588 [25: 63]

I use UML for representing architecture
Back

RG4 [6750:6942]

fUML specifies precise semantics for an executable subset of UML, and Alf specifies a textual action language with fUML semantics. fUML and Als are suitable for transformation of UML to code.
Back

SE6 [2285:2419]

UML semantics is mostly informal. A google search for "uml semantic rules" will bring you more papers discussing that topic in-depth.
Back

SE6 [4779:5022]

The usual controversy is around whether your production (being code or UML) is self documenting thus needing no comments, or whether comments actually add some value to your production, or whether comments stay consistent with your production.
Back

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38 Codings of "Understanding of Architecture" from 30 files.

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105 [1002:1083]

Do software engineers in general have no idea about Software Architecture Design?
Back

115 [399: 467]

What could happen if a system was developed without an architecture?
Back

12 (2) [1279:1328]

Software architecture confusion App-Server/Client
Back

13 (2) [928:1089]

I think I am required to produce a general software architecture that they can use for implementing all their systems. I don't have any other idea at the moment.
Back

15 (2) [769: 814]

What is the actual difference between them ??
Back

15 (2) [819: 868]

Isnt MVC a form of client server architecture ??
Back

2 (2) [761:1042]

My question is, based on the effect that a file-system structure has on an overall project, can we consider it as a part of the software architecture? Because, in many cases, choosing a correct file-system structure prevents us from duplicating a file, say jQuery, in many places.
Back

24 [562: 845]

But then I went ahead and read about Service Oriented Architecture, and I don't quite understand what that implies. Also, most of the literature I've

read so far, gives me the impression that you have to make the choice between a layered achitecture and a client server architecture.
Back

3 [470: 563]

Tell whether software architecture plays any role to satisfy the non-functional requirements?
Back

50 [550: 673]

What are the software limitations (in terms of interfaces and features) of SunRPC as a Client-Dispatcher-Server mechanism ?
Back

50 [797: 907]

What are the intrinsic differences between a Broker architecture and a Client-Dispatcher-Server architecture ?
Back

53 [165: 287]

what is the difference between architectural styles and patterns in software architecture?

Are they considered the same?
Back

57 [196: 450]

can I represent a Service Oriented Architecture in a famous 4+1 architectural view model ? and how can I do it ? is SOA just an architectural style than can be modeled in 4+1? or its a totally different thing and it needs a different modeling statndards?
Back

584 [117: 204]

I can't get the precise differences between software structure and software architecture
Back

59 [693: 934]

After panning through multiple articles, I am confused as to where the distinction lies between the Service and Persistence layers - could they overlap or be synonyms of one another? I never hear them mentioned in really the same context.
Back

60 [277: 428]

Can anyone help me understand these w.r.t software architecture/design? Thank you.

business objects

business engines

business entities

business rules
Back

608 [149: 232]

I've been trying to understand DCI architecture by reading lean software architecture
Back

74 [174: 348]

I have a project with a typical 3 layer structure(UI/Domain/Data layer). What is the pros and cons to have both domain model entities in domain layer and data entities layer.
Back

75 [337: 656]

The first idea i have is to take all the widgets, class or model to be save and add a saveToFile / openFromFile methods, using QFile and QDataStream for data serialization.

The global architecture is a kind of implementation of the Smart UI approach however i am mixing MVC triads, and widgets inside the QMainWindow.

[Back](#)

76 [1177:1649]

How can avoid that type of architecture while keeping the required functionality? Or how can I design the architecture in a way that eliminates the need to query one database from two distinct services?

(unfortunately the 'business model' of this app does not allow having 'account management'(1) and 'Jabber bot'(2) logic in one web service).

P.S. The most important requirement of the system in question is high availability (maybe it would affect the answer somehow).
[Back](#)

SE3 [3494:3683]

There's no simple "yes" or "no" answer - it's the same as asking how much technical detail you should get into during a meeting with your clients. The answer is "only as much as necessary".
[Back](#)

SE5 [368: 588]

Over the course of a few iterations of brainstorming ideas and proposing what I saw as architecture suggestions, my lead has given me the feedback that most of what I've been doing was "designing" and not "architecting".
[Back](#)

SE7 [3853:4252]

In the next step, define a domain model. You can use UML in this step or choose a simple boxes-and-lines diagram. The main purpose is to establish a vocabulary and to provide a brief overview over the required entities. Now you may want to choose an architecture, i.e. what programming language are you going to choose, which platforms do you want to support, design patterns, libraries & frameworks
[Back](#)

YSA1 [3812:4116]

Software architecture is:

an overall view of the solution to a problem

the high-level design of modular components and how they interact

a foundation that one can build on to solve a problem (e.g., rules, policies, attributes, etc.)

an efficient method to meet a fixed set of well-defined attributes
Back

YSA1 [4334:4508]

Software Architecture is the logical flow (or design) of interrelated components that work towards the goal of a current or prospective system, given the required resources.
Back

YSA1 [4553:4745]

Software architecture forms a set of abstractions about the system that provide enough essential information to form the basis for communication, analysis, decision making and risk assessment.
Back

YSA10 [0: 140]

Principles of Software Architectures ?

Hi everybody i Have some question in SOFTWARE ARCHITECTURE & DESIGN I have example by my teacher give
Back

YSA14 [0: 83]

What do you understand by lack of the software architectture disign understanding.?
Back

YSA14 [206: 364]

Generally speaking, software architectural design is the way in which numerous modules are configured to interact & therefore create one finished application.
Back

YSA16 [0: 71]

Is software architecture development and software development the same?
Back

YSA16 [245: 448]

They are different skills:

The architect may or may not be good at swinging a hammer, but the builder better be.

The builder may or may not be good at drawing a blueprint, but the architect better be.
Back

YSA19 [0: 67]

Software Architecture is the organizational structure of a system.?
Back

YSA2 [158: 241]

Software architecture is the structure of the programs which run on our computers.
Back

YSA2 [0: 91]

What is the difference of software architecture and user interface in software engineering?
Back

YSA20 [56: 174]

what are the differences between software architectural design & object-oriented design? can provide me some examples?
Back

YSA20 [295: 458]

Software architecture refers to the plan as it emerges from the specification, showing the details of the objects, types, and the relationship between the objects.
Back

YSA9 [0: 64]

What is software architecture? What do you need to study for it?
Back

y6 [463: 819]

Logical independence is achieved by separating the rules that describe business processes (example: invoice date logic, contact and address structure, discount structure and calculation logic, etc.) from transaction data (language code page, currency units, item number, description, quantity sold, quantity shipped, quantity on back order, ship date, etc)
Back

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7 Codings of "Usage of ADLs" from 7 files.

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106 [158: 359]

I need to learn ACME (An Architecture Description Language developed at Carnegie Mellon University) in a short time for my school project. Could you introduce a useful and comprehensive resource to me.
Back

119 [156: 409]

I am a newbie in the field of software architecture. I heard about architecture description languages. I have seen a sample code written in Wright. I do not get an idea about how the output will look like.

How can I install Wright in my Linux system?
Back

19 [693: 780]

Do you have experience with productive usage of an ADL? What works, what does not work?
Back

292 [999:1078]

Is there a formal modeling language that can simplify communicating this intent?
Back

561 [6: 133]

Architecture: component diagram (showing how the different modules of the system communicates with each other and other systems)
Back

SE1 [3209:3479]

Conventionally, UML or an architecture description language is used for architectural models of a system. Depending on the needs of the user of the model, other techniques might also be used, such as flow charts, textual descriptions, and other less formalized diagrams.
Back

SE8 [1: 47]

Why is there no WSDL type support for Web Api?
Back