# Is Learning enhanced by guided BLOG threads?

A plan for exploring a theory that collaborative blogging encourages critical thinking on solutions following a SMART approach

Prepared by Barbara Lauridsen
Spring 2017 TCC conference THU 15:30B (20 min)

## Is Learning enhanced by guided BLOG threads?

Description: This presentation lays out a plan for to leveraging discussion questions in a BlackBoard environment into a rich interactive experience for peer-to-peer open dialog.

During a learning experience in July 2016, online students actively participated in open communication to define a strategy for accomplishing a case study team project.

## CIS421 Enterprise Architecture in Blackboard Collaborate July5 to August, 2016 – online

Course Description: "Explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and infrastructure and their fit with the business. Students learn frameworks and strategies for infrastructure management, system administration, data/ information architecture, content management, distributed computing, middleware, legacy system integration, system consolidation, software selection, total cost of ownership calculation, IT investment analysis, and emerging technologies."

# CIS421 Enterprise Architecture January 10 to February 4, 2017

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School: <u>Barbara.lauridsen@natuniv.edu</u> when sent from BlackBoard

Website: <u>www.barbaralauridsen.com</u>

# CIS421 Enterprise Architecture starting July 5, 2016

#### **Course Learning Outcomes (CLO):**

- Utilize *techniques* for assessing and managing risk across the portfolio of the enterprise.
- Evaluate and plan for the integration of emerging technologies
- Describe the benefits and risks of Service Oriented Architecture.
- Analyze the integration of enterprise systems with inter-organizational partners such as suppliers, government, etc.

## In defense of blogging in a BlackBoard (Bb) course

## An inspiration for this research, to increase effective communications

"The brief nature of blog posts may encourage students to develop key communication and summarizing skills, while longer papers give students more room to compare and synthesize ideas" [Hanson, 2016, p. 98]. My research focused on serving as "further testing" of Hanson's suggestion that blogging and short essays be complementary assignments.

## In defense of blogging in a BlackBoard (Bb) course

### Research planning was:

- 1) To rewrite the ordinary Bb Discussion Questions (DQs) to become more worthwhile, to encourage original and critical thinking as well as enhancing researching to retrieve answers that offered other perspectives than those of the text book.
- 2) To set the stage for team-talk during guided face-to-face dialog;
- 3) To participate to enhance the peer-to-peer learning experience and also to retain and share good ideas

## Bb discussion threads redefined as "blogs"?

The environment of a Bb course does constrain the meaning of "blogging". Bb is a container limited to an audience of learners who share an agenda, to pass a prescribed course. My incentive was to enhance the learning objectives.

•For online students, a norm is to answer Discussion Questions (DQs) to gain points toward a total that converts to a letter grade. Typical DQs are answered from assigned readings. Typical answers were to describe and explain <some prescribed topic>.

## Limitation of "blogging" in a Blackboard course

Blackboard courses are a private place for students to upload assignments and to download articles and instructions.

Blackboard does not offer to align with the "public nature of blog posts meaning that students are engaging in blog-style writing but not blogging" (Hansen, 2016, p.91).

## Limitation of "blogging" in a Bb course

Blackboard Support Portal

National University Support

Discussion Board



Math and Writing Centers

For this research, in advance of day 1, the DQs were re-imagined & restated to encourage original thinking, retrieving & sharing interesting ideas and images, and also to cite sources so that others can navigate to the source webpage. The Bb features of posting a message that was morethan-just-text was encouraged and demonstrated.

## ...collaboration, encouraging critical thinking...

Use of the "smart approach" enables students to explore complex problems which are better understood when defined as **S**pecific, **M**easurable, **A**ction-oriented, **R**elevant and **T**imely.

The "smart approach" is based on ideas expressed in 2003 by P. J. Meyer, "What would you do if you knew you couldn't fail? Creating S.M.A.R.T. Goals", Attitude Is Everything: If You Want to Succeed Above and Beyond.

## S = **Specific,** in *Attitude is Everything* (Meyer, 2003)

The first criterion stresses the need for a specific goal rather than a more general one. This means the goal is *clear and unambiguous;* without vagaries and platitudes. To make goals specific, they must tell a team exactly what is expected, why is it important, who's involved, where is it going to happen and which attributes are important.

A specific goal will usually answer the five "W" questions:

•What: What do I want to accomplish?

•Why: Specific reasons, purpose or benefits of accomplishing the goal.

•Who: Who is involved?

•Where: Identify a location.

•Which: Identify requirements and constraints.

Meyer, P. J. (2003). What would you do if you knew you couldn't fail? Creating S.M.A.R.T. Goals. *Attitude Is Everything: If You Want to Succeed Above and Beyond. Meyer Resource Group, Incorporated.* ISBN 978-0-89811-304-4.

## M = Measurable, in Attitude is Everything (Meyer, 2003)

Measuring progress is supposed to help a team stay on track, reach its target dates, and experience the exhilaration of achievement that spurs it on to continued effort required to reach the ultimate goal.

A measurable goal will usually answer questions such as:

- How much?
- How many?
- How will I know when it is accomplished?
- Indicators should be quantifiable

## A = Attainable, in Attitude is Everything (Meyer, 2003)

The theory states that an attainable goal may cause goal-setters to *identify previously overlooked opportunities* to bring themselves closer to the achievement of their goals.

An attainable goal will usually answer the question:

• **How:** How can the goal be accomplished?

## R = Relevant, in Attitude is Everything (Meyer, 2003)

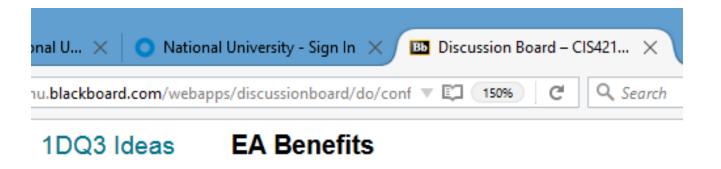
Many times you will need support to accomplish a goal: resources, a champion voice, someone to knock down obstacles. Goals that are relevant to your boss, your team, your organization will receive that needed support. *Relevant goals (when met) drive the team,* department, and organization forward. A relevant goal can answer yes to these questions:

- •Does this seem worthwhile? ... Is this the right time?
- •Does this match our other efforts/needs?
- •Are you the right person?
- •Is it applicable in current socio- economic- technical environment?

## T = Time-bound, in Attitude is Everything (Meyer, 2003)

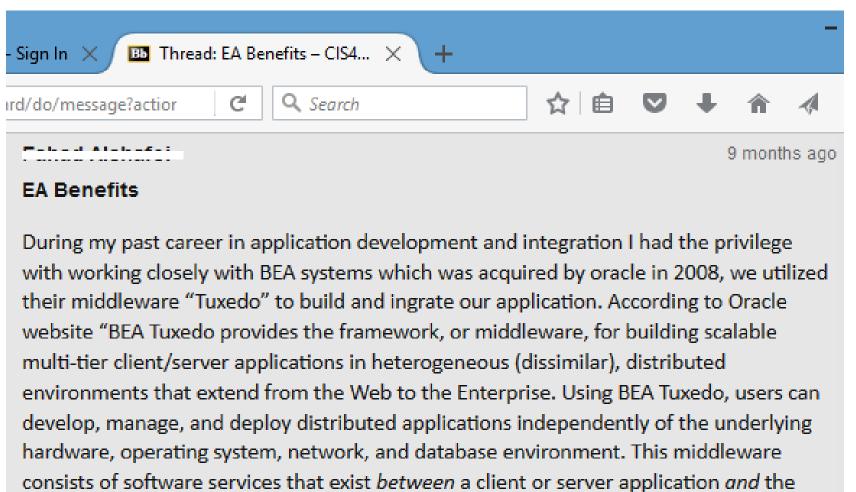
A *commitment to a deadline* helps a team focus their efforts on completion of the goal on or before the due date. This part of the SMART goal criteria is intended to prevent goals from being overtaken by the day-to-day crises that invariably arise in an organization. *A time-bound goal is intended to establish a sense of urgency.* A time-bound goal will usually answer the questions:

- When?
- What can I do six months from now?
- What can I do six weeks from now?
- What can I do today?



Each person will focus on interpreting a scenario from reading Chps 1, 2 or 3 (EAI, middle-ware, or Enterprise IT solution applications). Search for a relevant website about a "real-time" business/IT scenario. A post here will share your ideas about a feasible benefit for an enterprise-wide architecture. Due by end of Week1.

# 1DQ3 Ideas post

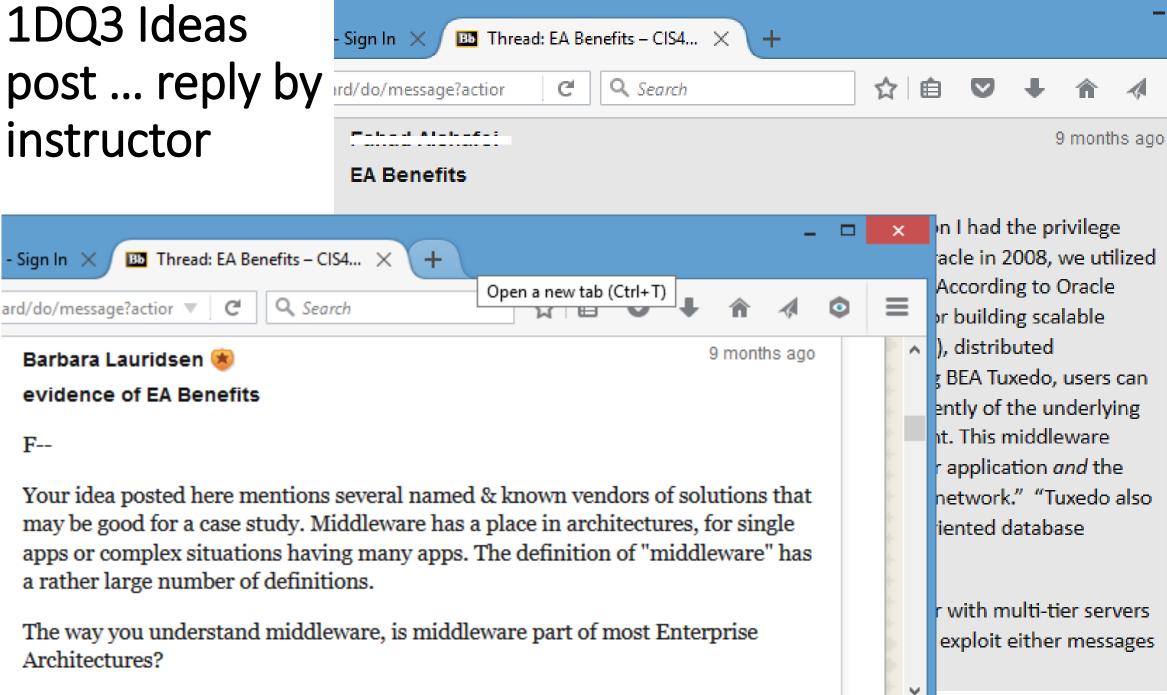


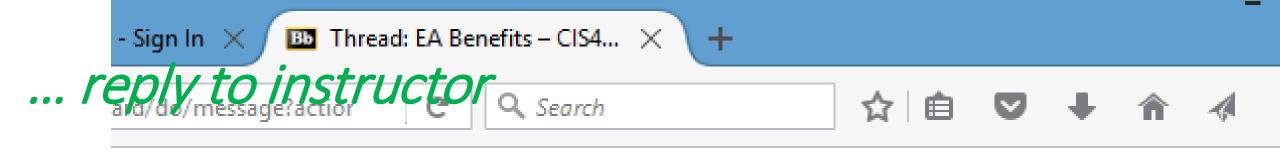
operating system and network services on a system node in the network." "Tuxedo also supports any relational database management system, object-oriented database management system, file manager, or queue manager."

The utilization of this middleware allowed us to build a multiuser with multi-tier servers integrated with an oracle database and the queue manager that exploit either messages

or batches on multiplatform environments.

## 1DQ3 Ideas post ... reply by instructor





RE: e

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RE: evidence of EA Benefits

8 months ago

e F Y n

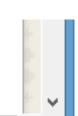
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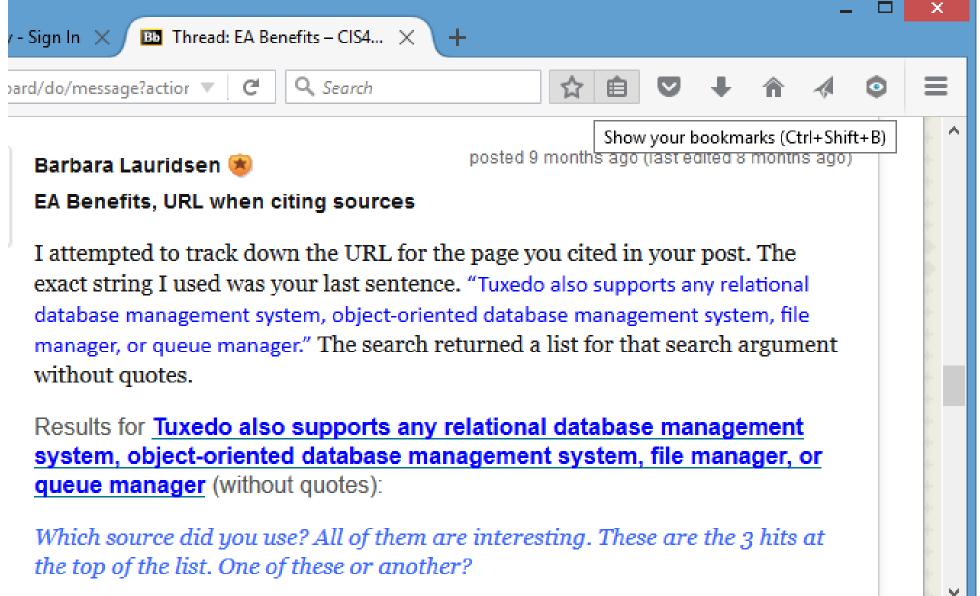
I would say no middleware is not a part of most Enterprise Architectures, specially in our current time with the new established corporations, older ones might be forced to use middleware in order to integrate their legacy systems. Further more, the world is moving to the cloud now and more web apps; this makes integration much easier with the use of just API's and JAVA converters.

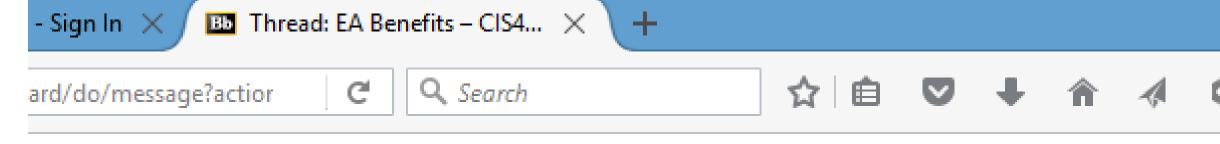
The way you understand middleware, is middleware part of most Enterprise Architectures?



## 1DQ Ideas thread, encouragement to cite

sources





Which source did you use? All of them are interesting. These are the 3 hits at the top of the list. One of these or another?

#### Introducing Oracle Tuxedo

docs.oracle.com/cd/E13161\_01/tuxedo/.../overview.html

#### Oracle Corporation

Oracle **Tuxedo** does not provide **any** technical **support** or documentation for third party CORBA Java ORBs. ... It **also** includes a high-speed, highly reliable server-side message switch .... as well as **any relational database management system**, **object-oriented database management system**, **file manager**, or **queue manager**.







### Encou

#### [PDF]What is BEA Tuxedo? - Read

read.pudn.com/downloads159/ebook/709690/overview.pdf

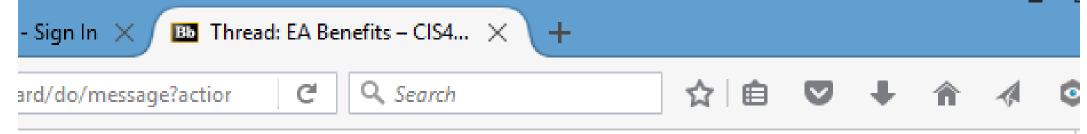
**Support** for Multiple Programming Models and Languages. .... PDF Document **Files** . .... BEA **Tuxedo** does not provide **any** technical **support** or ... Release 7.1 **also** introduced multithreading and multicontexting—ATMI functions .... **database management system**, **object-oriented database** management ... **queue manager**.

#### [PDF]Queues Are Databases - arXiv.org

https://arxiv.org/pdf/cs/0701158 arXiv by J Gray - 2007 - Cited by 19 - Related articles

Abstract: Message-**oriented**-middleware (MOM) has become an small industry. ... **Queue** systems need **DBMS** functionality. ... **Object**-Request Brokers (ORBs). ... **manager** atop an **object-relational database** system [Chamberlin], [Stonebraker]. ... reasons encourage us to **support** non-transactional tables in an SQL database.

## Reply about source used



8 months ago

RE: EA Benefits, URL when citing sources

I mainly used the first source, since it's an overview of the product, the second source is almost the same but more detailed. Thank you for the link. I am not familiar with the last document but looks like a good technical whitepaper, which I will read and perhaps conclude my own insights in regards to the subject, and although I am Microsoft certified I always tend to avoid their products in my solutions. Perhaps I am being more emotional than technical in this but I tend to notice that I loose a small percentage in performance when a Microsoft product is involved in the solution versus the same solution implemented using other equivalent products.



https://nu.blackboard.com/webapps/di: ▼



Q Search















#### Barbara Lauridsen 😻

**URL** when citing sources

F-- When you quote from an interesting source, it is handy to cite that source. In a blogging style post like this, it is convenient to provide the URL from the web site, such as thi. In Blackboard if you highlight the URL string and click the tiny chain link above, you can complete a popup form that enable you to turn on the link so that we clan click it and open the site.

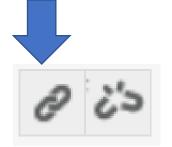
http://docs.oracle.com/cd/E13161 01/tuxedo/docs10gr3/overview/overview.html

A more elaborate way to cite this source for is to provide the author (date) Title style. like this:

ORACLE. (2016). Product Overview: Introducing Oracle Tuxedo. [White paper] Available from <a href="http://docs.oracle.com/cd/E13161">http://docs.oracle.com/cd/E13161</a> 01/tuxedo/docs10gr3/overview/overview.html

To make our discussions in more useful, we are pretending that these conversations are like blogging. Rather than a public environment for sharing ideas, we have a private Bb LMS, and a series of topics for our learning outcome list. To anticipate what a visitor will do next after reading your own idea, encouraging going to the site you found.

Just now



## Follow-up for how to cite a source

F-- When you quote from an interesting source, it is handy to cite that source. In a blogging style post like this, it is convenient to provide the URL from the web site. In Blackboard, if you highlight the URL string, click the tiny chain link above, you can complete a popup that enable you to activate the link so that we clan click it and open that site. http://docs.oracle.com/cd/E13161 01/tuxedo/docs10gr3/ov erview/overview.html

## Follow-up for how to cite a source



...Or provide ad author (date) Title style. like this:

ORACLE. (2016). Product Overview: Introducing Oracle Tuxedo.

[White paper] Available from

http://docs.oracle.com/cd/E13161\_01/tuxedo/docs10gr3/overview/overview.html

### We are pretending that these conversations are like

**blogging.** Rather than a public environment for sharing ideas, we have a private Bb LMS, with topics about EA. To anticipate what a visitor will do next after reading your own idea, make it convenient to look at the same source you found.

Forum: 2DQ3 Ideas

Create Thread

**Grade Discussion Forum** 

Week2 Forum Discussion Question 3, about real time Enterprise Architecture (EA), Instructions to provide citation links



2DQ3 Ideas

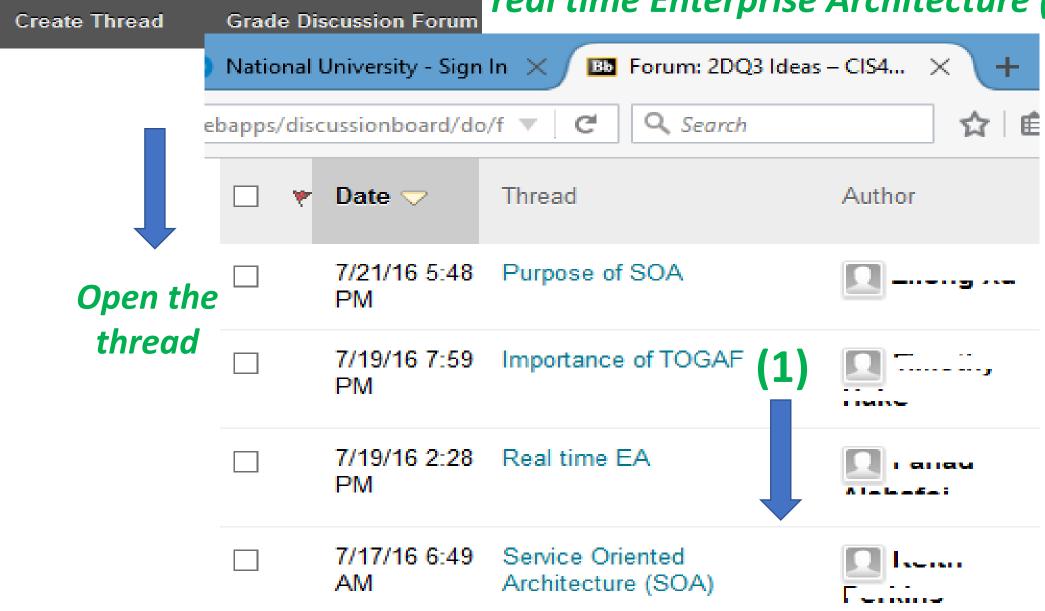
Open the thread

#### Real time EA

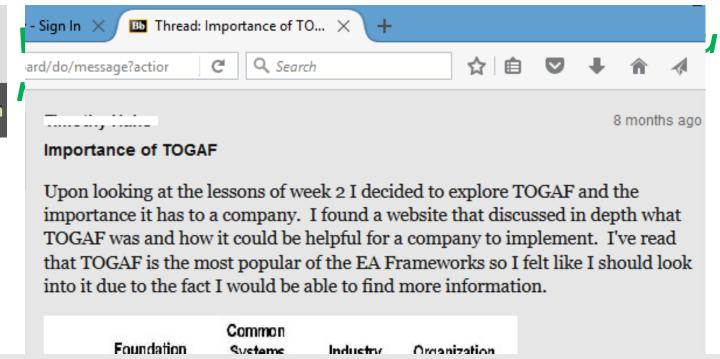
Each person will research an aspect of this week's reading (text or Bb articles set up in "Wk2 Lessons". Discuss a topic as it can be applied to a potential "real-time" business/IT scenario (within 1 year). Share your ideas about a feasible benefit achieved by an Enterprise Architecture. An attached or embedded image single image with a brief narrative is encouraged with citation URL link embedded in the post, tested after being saved to ensure that it navigates to the site where you found the image.

#### Forum: 2DQ3 Ideas

Week2 Forum Discussion Question 3, about real time Enterprise Architecture (EA)

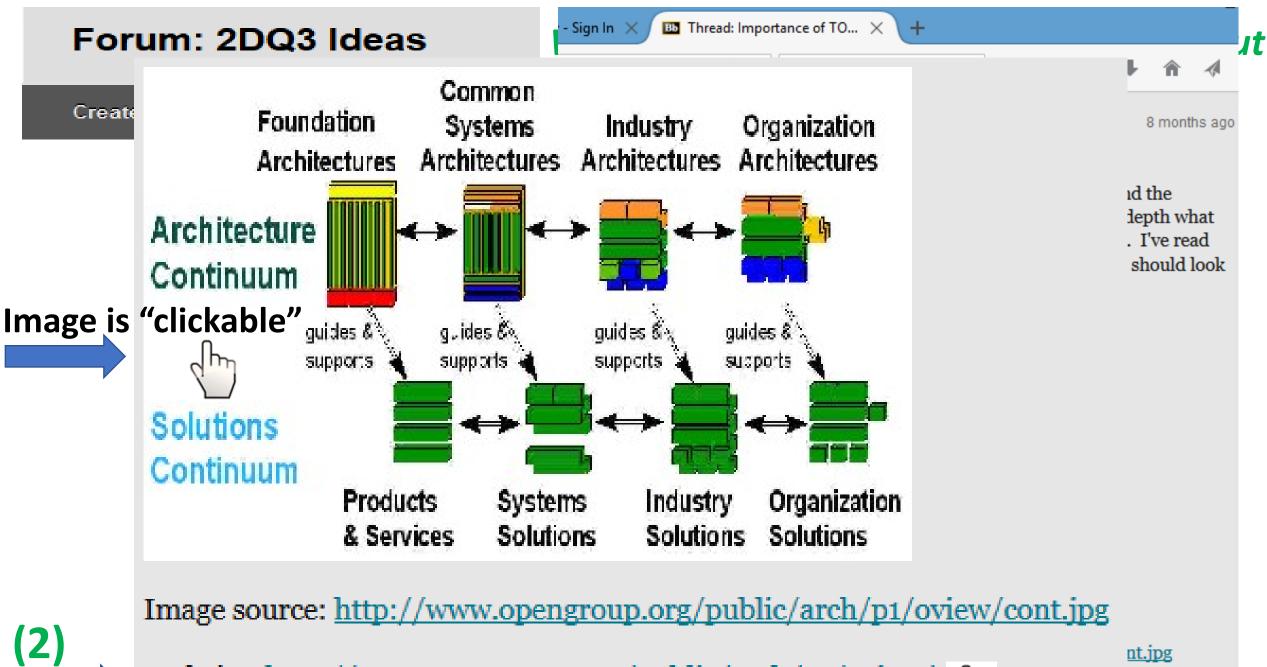






Upon looking at the lessons of week 2 I decided to explore TOGAF and the importance it has to a company. I found a website that discussed in depth what TOGAF was and how it could be helpful for a company to implement. I've read that TOGAF is the most popular of the EA Frameworks so I felt like I should look into it due to the fact I would be able to find more information.





Website: <a href="http://www.opengroup.org/public/arch/p1/oview/">http://www.opengroup.org/public/arch/p1/oview/</a>

org/public/arch/p1/oview/







Create Thread

Grade D

http://www.opengrou p.org/public/arch/p1/ oview/

#### The Business Executive's Guide to IT Architecture

Why IT Architecture is Crucial to the Success of Your Business

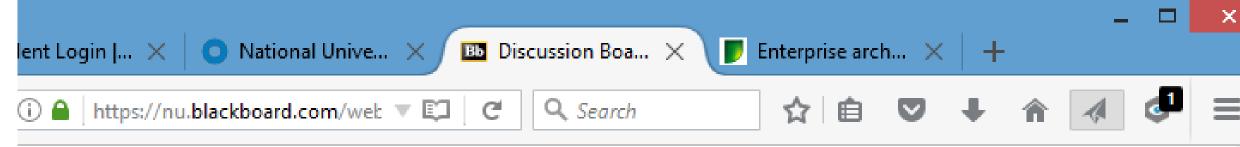
Have you thought about your need for an IT Architecture? This Guide explains:

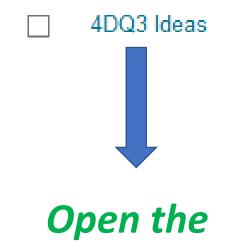
- What is an IT Architecture?
- · Why do I need it?
- What are the specific business benefits?
- What is TOGAF?
- How does TOGAF help deliver an effective IT Architecture?
- What Specifically Does TOGAF Contain...?
- How do I use TOGAF?
- What Do I Get From Participating in The Open Group's Architecture Forum?
- What Are the Specific Business Benefits of Participation?
- What action do I take now?

# Forum: 4DQ3 Ideas Create Thread Grade Discussion Forum

Week4 Forum Discussion Question 3, exploring ideas about value of Enterprise Architecture (EA)

12





thread

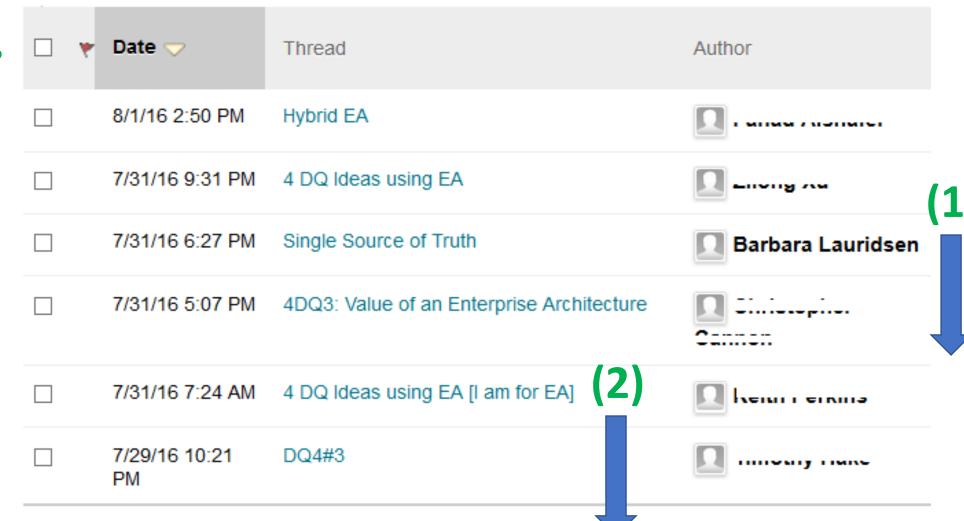
#### 4 DQ Ideas using EA

Conduct an Internet search about value of an Enterprise Architecture, find an opinion about usefulness of enterprise architecture frameworks, then "triangulate" that idea by finding another source that agrees, or disagrees. Task: Post both statements and also your idea about how blogger's opinions distort or support the "truth"

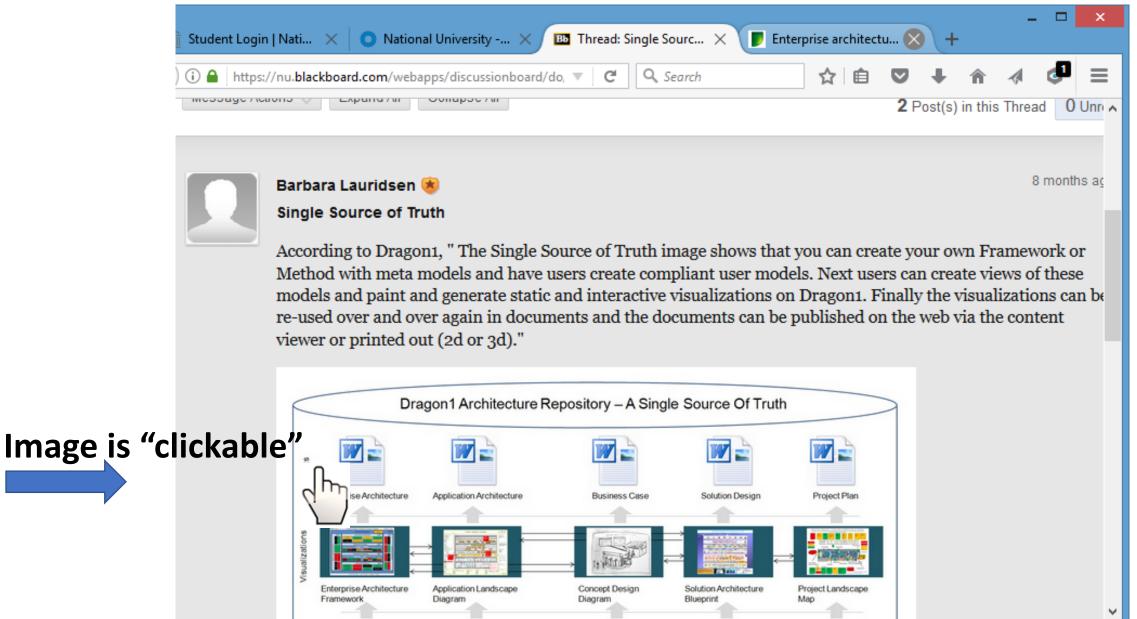
# Forum: 4DQ3 Ideas Create The ad Grade Discussion Forum

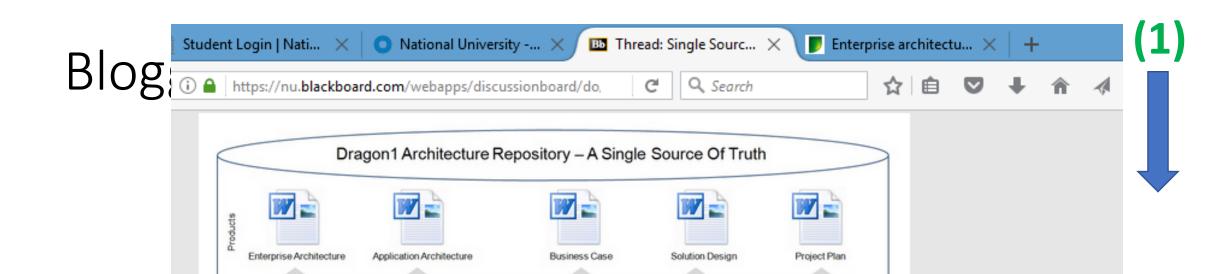
#### Drill down on two dialogs

## Open the thread



## Blogging style post by an instructor





Concept Design

Diagram

Image is "clickable"

Application Model

Concept Model

Concept Model

Project Model

Enterprise Meta Model

Application Landscape

Image URL:

Enterprise Architecture

Framework

Embedded link

Web host URL: Enterprise Architecture Tool. Introduction of Dragon1 as Enterprise Architecture Tool. Architecture Tools for the Enterprise Architect, Manager and CIO is the software of today. Increase enterprise governance, compliancy and control.

Solution Architecture

Blueprint

Project Landscape

## Blogging style post by an instructor



### **Image URL:**



Web host Introduction of the Enterprise Architecture Tool. Introduction of the Enterprise Architecture Tool. Architecture Tools for the Enterprise Architecture Manager and CIO is the software of today. Increase enterprise governance, compliancy and control.

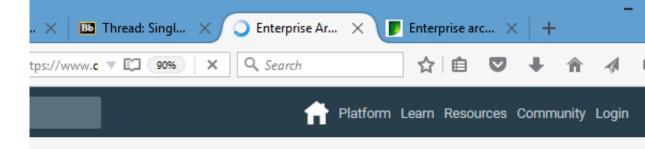
## https://www.dragon1.com/ enterprise-architecture-tool

Open the embedded link

## Image URL:

Web host IIRI Fnternrice Embedded link ntroducticarchitecture-tool Ctrl+Click to follow link

Tool. Architecture Tools f Manager and CIO is the s enterprise governance, c



## Enterprise Architecture Tool

Introduction of Dragon1 as Enterprise **Architecture Tool** 

Online Architecture Tools for the Enterprise Architect, Manager and CIO is the software of today. Increase enterprise governance, compliancy and control.

#### Main Benefits

 Build Target Architectures upon your Strategy

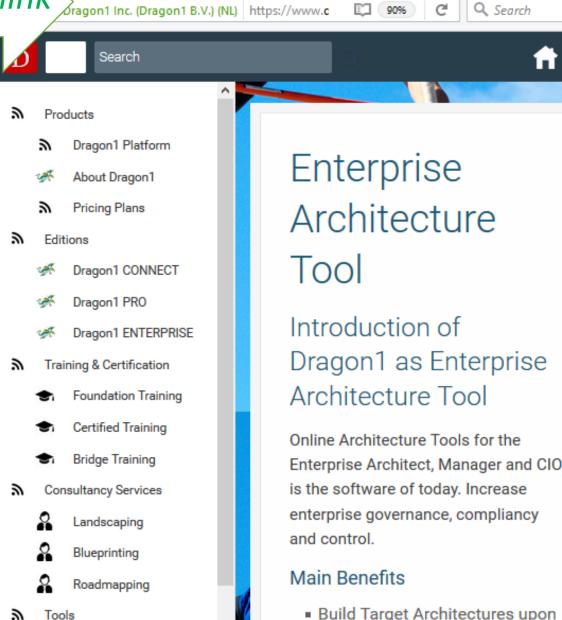
Dragon1



Example of an Enterprise Architecture blueprint at A0 size, created on Dragon1 by importing data from Microsoft Excel into the repository and using the Architecture View Layout from the Dragon1 open EA Method to generate the vieualization

Open the embedded link

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Example of an Enterprise Architecture
blueprint at A0 size, created on Dragon1
by importing data from Microsoft Excel
into the repository and using the
Architecture View Layout from the
Dragon1 open EA Method to generate the

Re

(1) Reply to instructor's post

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<u>lma</u> – . . . . . . . .
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We RE: Single Source of Truth

Intr Too

The Dragon1 open method is constructed around four distinct 'modes:

Ma

- 1. a way of thinking,
- ent 2. a way of working,
  - 3. a way of representing.
  - 4. a way of supporting.

Full Article here

Student provides an embedded link











Open a new ta



Dragon1 EA Method meets requirements for method recognition by the Open Group Certified Architect Program

HOME

DRAGON1 ARCHITECTURE FOUNDATION

DRAGON1 OPEN METH

Home » What is Dragon 1?

- > What is Dragon1?
- **Enterprise Architecture** Framework
- Dragon1 References
- Supporting Materials

Dragon1 Wiki

Checklists

Document templates

Open Standards

### What is Dragon1?

### Dragon1 Open EA Method for Visual Enterprise Architecture

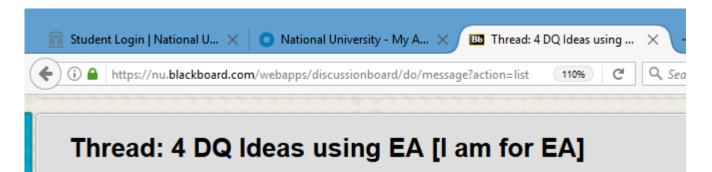
Dragon1 is the open method for working with Visual Enterprise Architecture, as appli to both profit and non profit organizations.

Making use of architecture designs and architecture principles enables an architect t ensure a more predictable and controllable quality of integrated IT business solutions strategic innovations for Company Board members and management.

### Download



The Official Statement



# Blogging style DQ post by a student

4 DQ Ideas using EA [I am for EA] ()

[For]

The first article is for EA framework and a way that truly simplifies the process to the point they made an acronym using S.I.M.P.L.E. to describe EA framework. "SIMPLE is an acronym that we use to let people what to expect when engaging with Enterprise Architecture. The "S" is for Standardization. We seek create and drive standards through the organization to synergize performance and reduce costs by leverage technologies we already own.

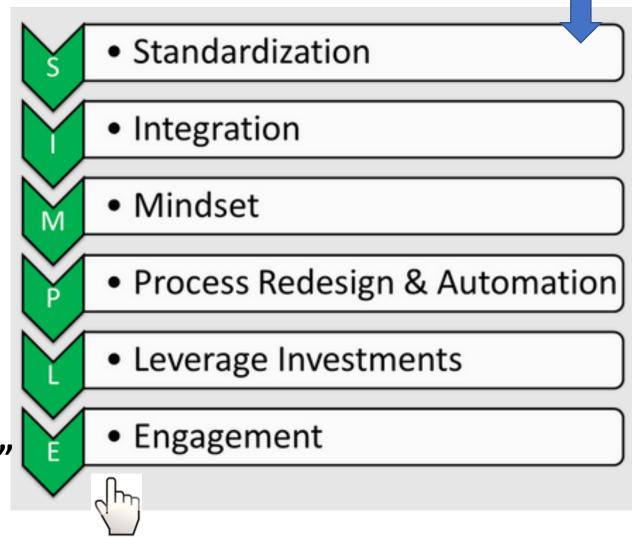
## DQ post by a student, with detail text

- The "I" is for Integration. We ensure all platforms, applications and technologies can work together.
- The "M" is for Mindset. An Enterprise Architecture Mindset is something that we look to create throughout IT. It relies of bringing groups of people together who can drive solutions that meet the business, application, technical, security and data goals of the solution.
- The "P" is for Process Redesign and Automation. One of the main goals of technology is to remove, redesign or improve manual tasks. Within IT and our government community, we are always looking for ways to improve the way we do business improving our efficiency and satisfaction.
- The "L" is for Leverage Investments. Many times, we buy products that we do not fully implement. We leave features on the shelf. In Enterprise Architecture, we strive to use what we already own instead of buying additional tools.
- The "E" is for Engagement. Everyone in Oakland County expects Enterprise Architecture to engage.

DQ post by a student, with an image containing an embedded link

Whether creating or improving an Enterprise Architecture function, the **SIMPLE** mantra can help you achieve incredible results and an IT Culture where people are excited, engaged and passionate."

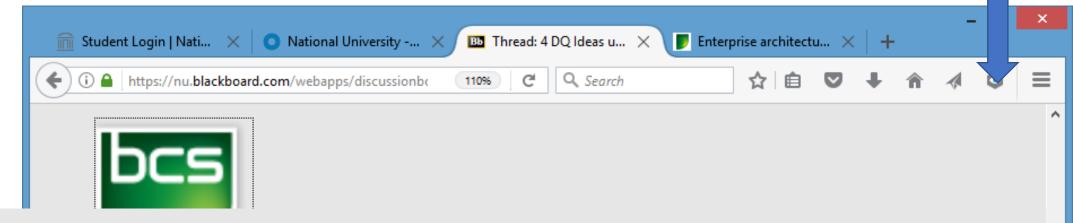
Image is "clickable"



### [Against]

- •The blog against EA frameworks targets TOGAF stating "Despite the promise that 'TOGAF provides a best practice framework for adding value' (TOGAF 2011, p. 7), the analysis of its usage shows that this best practice can be hardly applicable and TOGAF can be hardly used in any real sense: only as a 'dictionary' where some useful information can occasionally be found or as a 'horoscope' from which vague recommendations can be adapted and interpreted to fit all organisations, but, not providing any real practicable guidance to any of them. Though positioned as a comprehensive end-to-end EA framework covering most parts of EA practice, TOGAF rarely provides useful advice on its most critical aspects.
- •Surprisingly, my conclusions are not innovative and far from new, but rather old and widely known. They are supported by numerous previous empirical studies (Ahlemann et al. 2012; Buckl et al. 2009; Haki et al. 2012; Holst and Steensen 2011; Ross et al. 2006; Smith et al. 2012) that consistently demonstrate that EA frameworks, including TOGAF, have only a minor value at best or are even detrimental at worst."

Blogging style post, student's own opinion

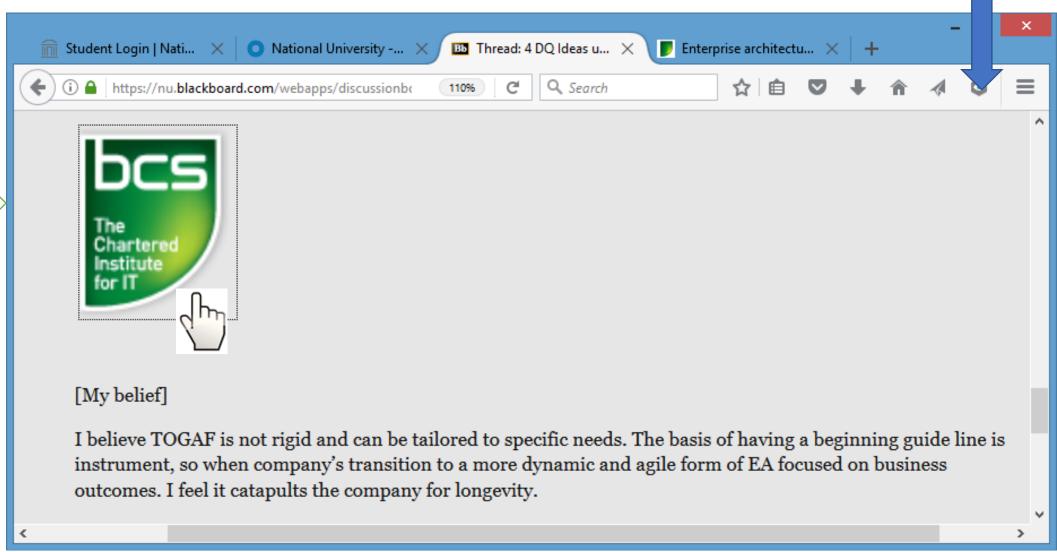


[My belief]

I believe TOGAF is not rigid and can be tailored to specific needs. The basis of having a beginning guide line is instrument, so when company's transition to a more dynamic and agile form of EA focused on business outcomes. I feel it catapults the company for longevity.

http://www.bcs.org/content/conWebDoc/55547

## Blogging style post by a student, *logo as a link* (2)



http://www.bcs.org/content/conWebDoc/55547

Embedded link

Following the embedded link /

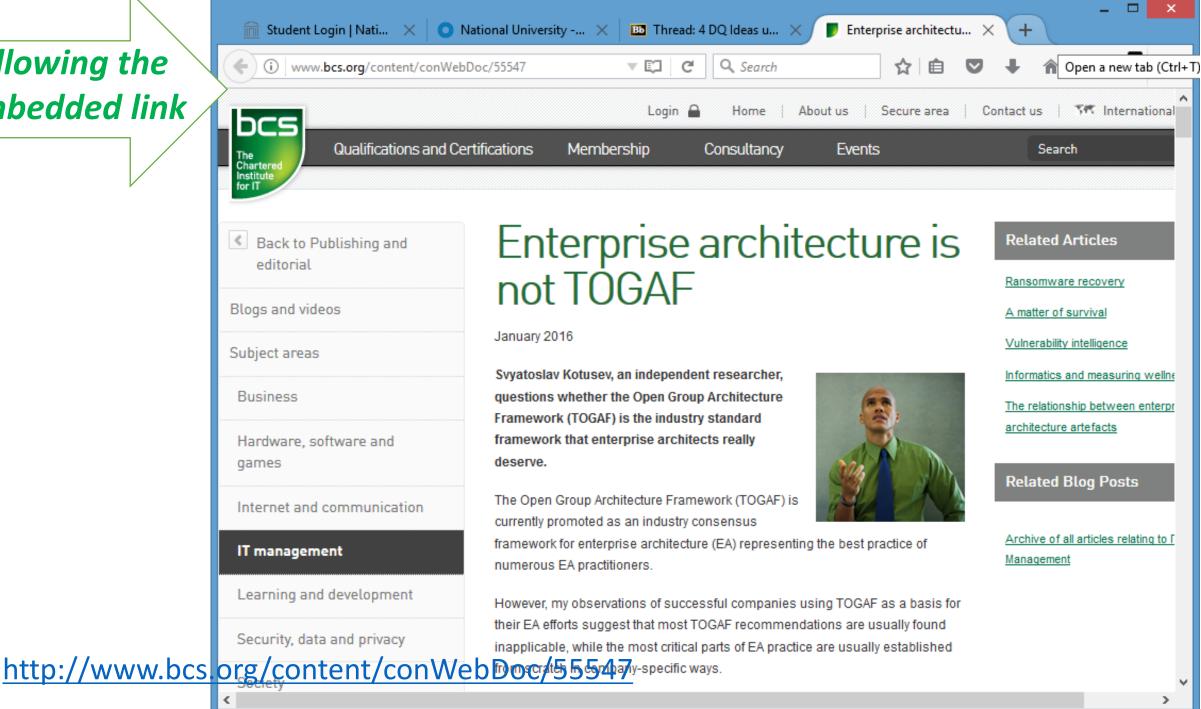


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opens a Webdoc that accepts comments

This source was a positive example of a public blog which offers a professional exchange of ideas that have value, with names & date for the blog post.

### Comments (18) Leave Comment

Mike Chad wrote on 10th Feb 2016

The bottom line is that there is no substitute for competent analytical capability, which seeks to learn from others, but applies intelligence, experience, perception, common-sense, and good communication skill to each unique context. One size does NOT fit all, and many of the criticisms expressed here might be directed at other brands, such as PRINCE2 and ITIL, where inexperienced practitioners try to apply them without broad understanding and a degree of pragmatism. There is no golden bullet!

### Report this comment

William wrote on 10th Feb 2016

It feels like you had some negative experience(s) with either the TOGAF framework or more generally Enterprise Architecture or maybe both.

Maybe you should explain where and why you believe TOGAF didn't help (people and company names can be changed to sthg that doesn't identify them too obviously if you can't disclose those details). I believe TOGAF and the ADM are not rigid and can be tailored to specific needs (like with OC/13554

http://www.bcs.org/content/conWebDoc/5554 and the ADM are not rigid and can be tailored to specific needs (like with most frameworks). Are you TOGAF certified yourself?

opens a Webdoc that accepts comments

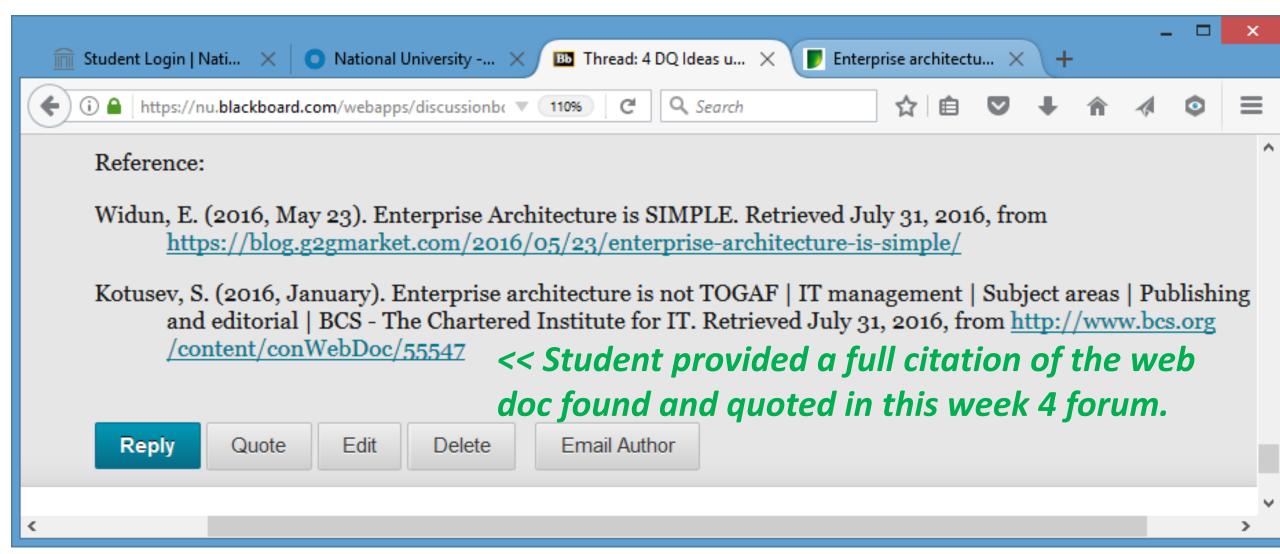
> When shared during **Blackboard Collaborate** session, this was a practical opportunity to encourage students to visit the site, read, the post ideas or to ask questions.

Report this comment



http://www.bcs.org/content/conWebDoc/55547

## Student provided APA references with live links



## Pole attendees for their opinions about:

question

- 1. The S M A R T approach provided guidance for focusing research for starting up a team case study.
- 2. Using Bb DQs with embedded links provided a encouragement to be engaged in sharing ideas.
- 3. Instructor's blogging provides insights and useful hints for students' actions.

Do what degree do you agree?

High (5) (4) (3) (2) (1) Low

## Works cited

Hansen, H. E. (2016) The Impact of Blog-Style Writing on Student Learning Outcomes: A Pilot Study, *Journal of Political Science Education*, 12:1, 85-101. Available from <a href="http://dx.doi.org/10.1080/15512169.2015.1060887">http://dx.doi.org/10.1080/15512169.2015.1060887</a>

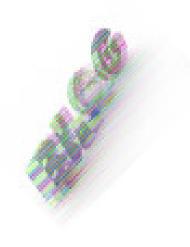
Lauridsen, B. (2016, July). CIS421-10533-1701: CIS421 Enterprise Architecture (last available Saturday, August 6, 2016) Instructor: Barbara Lauridsen; Referencing DQ posts under terms of IRB rules for protecting students' identities

Meyer, P. J. (2003). "What would you do if you knew you couldn't fail? Creating S.M.A.R.T. Goals". Attitude Is Everything: If You Want to Succeed Above and Beyond. Meyer Resource Group, Incorporated, The. ISBN 978-0-89811-304-4.

## Questions?

What is the Meaning of Blogging?

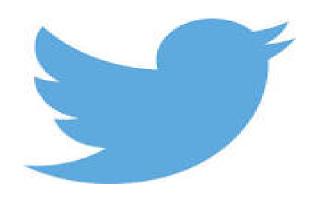






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### #tcc22nd







## Chat with us!

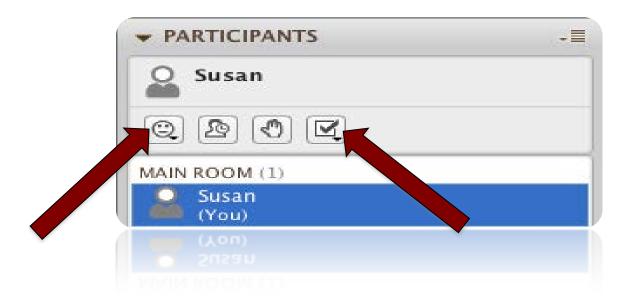


Private messages can be viewed by Moderators, just so you know.

Type your message here and press Enter to send.



## Polls, smiles and handraising





## You have a voice!

Audio Setup Wizard



won't be using Video.

