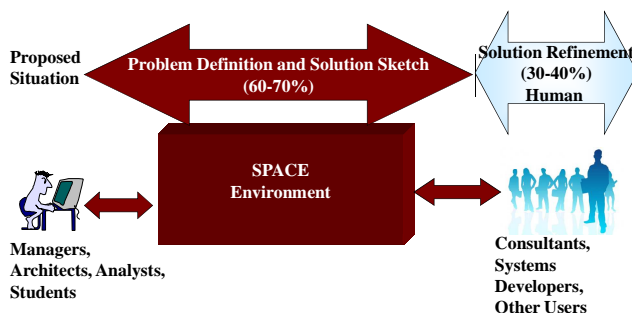


How to Use Space in Practice?

The Computer Aided Consulting Model

The Computer Aided Consulting Model

SPACE (Strategic Planning, Architecture, Controls & Education) is being used as a Computer Aided Consulting environment where SPACE does 60-70% of the work and a consultant/expert does the other 30%. Specifically, the user develops the enterprise architecture reports, strategic plans and solution sketches by using the SPACE Planner in less than an hour session. This does 60-70% of the work, the remaining 30-40% is done by local experts and/or the users themselves. This model, similar to the well known legalzoom.com model, is illustrated below. In addition, SPACE is being used as an educational tool. This fits well within the scope of computer aided consulting because good consultants are good problem solvers plus teachers.



Usage Scenarios

- **Online Education:** You use SPACE games and planning tools for hands-on experiments and self-assessment in a series of short online-courses. These courses cover important topics such as strategic planning, integrated architectures and management of ICT services.
- **Collaborative Problem Solving:** You develop a solution sketch by using SPACE and we help you to finalize the solution. This is especially suited for developing countries and small to medium businesses because it dramatically cuts down time and cost. You spend only 30% of the time and cost as compared to the typical consulting assignments.
- **SAAS (Software as a Service):** You develop a solution by using SPACE and, if needed, use your own time and staff to enhance/customize the solution. This is especially suited for people who are experts in the field and/or have access to local experts.

Key Benefits

- Significant time reduction (from months to days)
- Significant cost reduction (by almost 60 to 70%)
- Error reduction through consistent usage of best practices and enforcement of industry standards
- Can deliver consulting services to remotely located customers

- Can be used by customers, especially in the developing countries, to receive quality consulting services anywhere
- Rapid replication of knowledge gained and best practices
- Continuous machine learning makes SPACE smarter with use (captures and reuses best practices that are made available to all users quickly)
- Continuous staff training through use of best practices
- Educating of customers in strategic planning, enterprise architectures and integration, and project management through hands on experiments.

Examples of Industrial Use

- Users play simple games to gain insights into wireless planning, enterprise architecture (EA) blueprints and interagency communications and then use the Planner.
- Users develop their own future configurations by using SPACE and examine how different products could fit into their future plans.
- An IS security manager develops a security plan for a current or future configuration (e.g., how to secure the B2B operations or SOA services supported by an enterprise service bus).
- An SOA project manager develops an SOA plan and SOA business case for a given business scenario (e.g., a company migrating to SOA gradually).
- Marketing professionals use SPACE to illustrate, in real-time, how their products could be useful to a particular customer. A SPACE tool goes beyond the typical Powerpoint presentations to a collaborative experimentation session between marketing professionals and potential customers.
- Given a business scenario (e.g., an existing company offering new services for B2B partners), an IT manager quickly produces an IT infrastructure plan with needed hardware and software.
- A customer quickly develops a sketch of an FMO plan and gives it to an IT expert who uses this document to develop a detailed simulation model by using a plug-in provided by SPACE
- Customers use 'Create Your Own Solution' option using SPACE and then submit the solution to a marketing rep to further refine the solution.

Examples of Education and Capacity Building

- Support university and corporate training courses in strategic IT planning, mobile computing, enterprise architectures and integration, SOA, business modeling, and entrepreneurship. Results have shown that these tools greatly help in teaching difficult to explain concepts in difficult to teach courses.
- Textbooks and course materials on IT planning, integration and security to support these courses, and SPACE, have been published (more are planned).
- A graduate level program at Harrisburg University of Science and Technology has been launched to educate ICT leaders in the public and private sectors. This program heavily relies on the SPACE concept & computer aided consulting paradigm.

More Information: SPACE Site (www.space4ictd.com), see "Overview" Section