



PISA (Planning, Integration, Security & Administration) Environment

EXECUTIVE SUMMARY.

NGE Solutions, Inc (www.ngesolutions.com)

For additional information -- (www.ngesolutions.com/pisa)

What Does it Do?

- PISA is an intelligent decision support environment that helps IT managers and planners to plan, integrate and secure their IT (information technology) systems.

- Current focus of PISA is on small to medium businesses (SMBs).

- PISA consists of a family of automated consultants (Advisors) shown below (begin with red arrow 'start' and go clockwise).

PISA advisors are segmented into three modules (PlanIT SAM and AIM) that help IT managers and planners to develop:

- IT Infrastructure planning (application planning, platform planning, network planning)

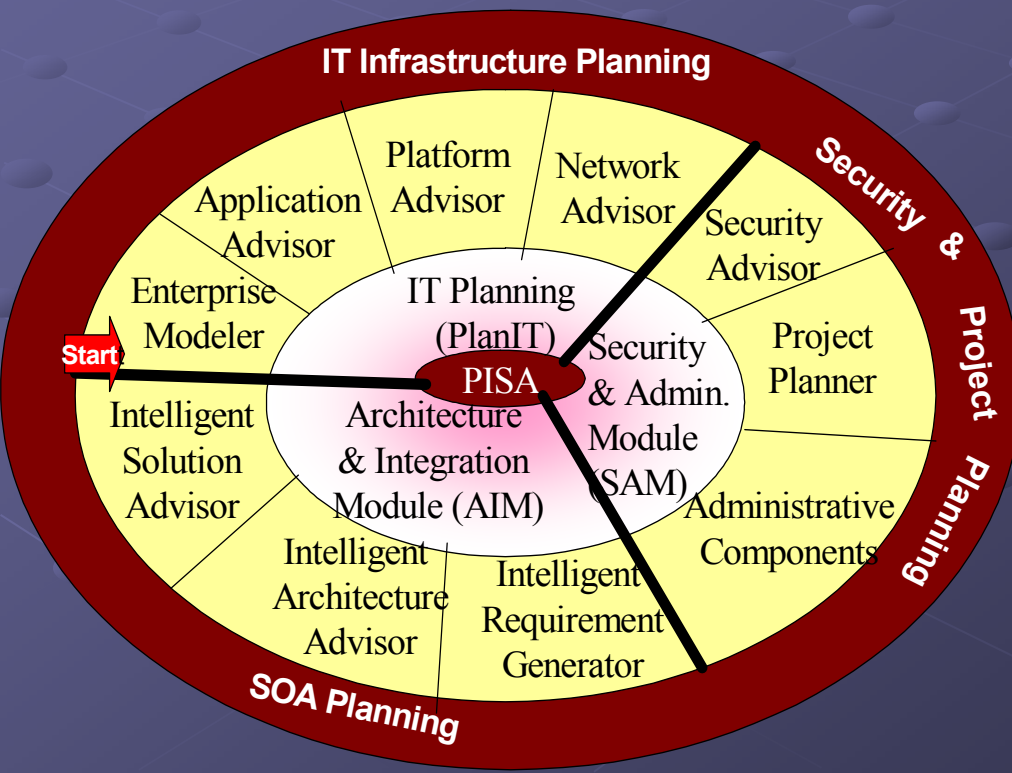
- SOA planning (development and evaluation of SOA-based integrated architectures)

- Security planning (based on attack trees and security patterns) and project planning with staffing estimates and WBS that can be ported to MS Project

Instead of fragmented tools, PISA advisors work with each other like a team of consultants and are integrated around a common knowledgebase.

PISA quickly produces well documented plans by extensively relying on patterns.

Over 400 experiments at 4 universities and 20 SMBs have shown that PISA produces high quality plans within an hour.



What Problem Does it Solve?

- Many software development tools are currently available and keep growing.
- However, most organizations are outsourcing/buying/renting software and concentrating on IT planning, integration, security & administration (PISA) processes.
- Unfortunately, there are virtually no tools available to support the PISA processes.
- Many SMBs have a serious problem because they do not possess in-house expertise to make these decisions
- PISA provides a quick, inexpensive and vendor neutral solution to this serious and recurring problem.
- PISA has no competition (see table):
 - Companies such as IBM, SAP, Cisco and Dell have provided fragmented tools to sell their products (see table)
 - But the users have to go to Dell for computers, Cisco for networks, SAP for applications, Verisign for security, and then integrate everything themselves
 - PISA provides one stop shopping through a set of integrated advisors

PISA Processes	Existing Products	PISA Advisors
Enterprise Modeling	IBM Rational Rose	Enterprise Modeler
Application Planning	SAP Business Maps	Application Advisor
Platform Planning	Dell Advisor	Platform Advisor
Network Planning	Cisco Designer	Network Advisor
Security Planning	Verisign Guide	Security Advisor
Integrated Architecture Planning	IBM Business Patterns	Architecture & Integration Module
Project Planning	MS Project	Project Planner

How is it Revolutionary?

- PISA uses latest research to introduce a new paradigm 'Computer Aided Consulting (CAC)' in the same vein as computer aided design and manufacturing (CAD/CAM)
- PISA attempts to reduce IT planning time up to 70% by automating existing IT planning activities (see Figure)

- Existing situation: IT consultants work on project definition, documenting rough plans and then refining them.
- PISA CAC environment: the user defines the project and creates a documented plan quickly (less than hour instead of days). The user can now hire a consultant to refine and implement the plan created by PISA.
- CAC can revolutionize IT consulting.

