Visual Paradigm

drive your IT project development and digital transformation

Component Factory an Authorized & Certified Visual Paradigm Partner

Agenda

- How to Improve Productivity & Quality
    - Software Lifecycle Issues Classification
    - Collaborative Model Issues Classification
    - Main Issues Classification and Resolution

- The Solution to promote Standards, Reuse, Automation and Cooperation
    - Visual Paradigm the solution ALL in ONE!
    - Visual Paradigm desktop client products edition
    - Visual Paradigm desktop client & your new AI Assistance
    - Visual Paradigm client product types and dependencies
    - VP Online deep dive (User side)
    - VPository for teamwork
    - Visual Paradigm licensing

- ❖ Annex - VP Pilot Project
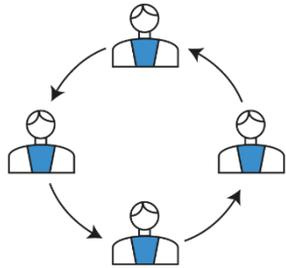   - ❖ What does your VP showcase cover?

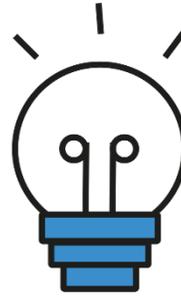# How to Improve Productivity & Quality

Software Lifecycle Issues Classification

Analysis activity not focused on user's needs, monolithic, not visual, not object oriented.
Design activity, frequently, is skipped to perform directly the development.

DIFFICULT
HANDOVER

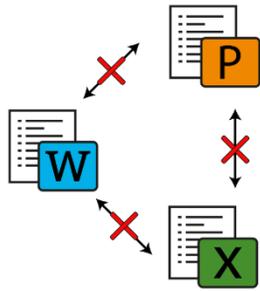**COMPLEX**
BRAINSTORMING

WRONG
DECISIONS

SYSTEM IMPOSSIBLE TO EVOLVE AND TO MAINTAIN

Specifications built **without** standard notation and prospectives

Collaborative Model Issues Classification

"Canonical" approach is **entropic** and **expensive**. Stop to create any kind of gaps between professional roles, teams, departments.

RELATIONSHIPS LACK
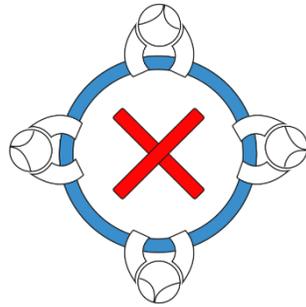
UNNECESSARY MEETINGS

INACCURATE INFORMATIONS

E-MAIL BASED

DIFFICULT TO ESTIMATE REAL EFFORT FOR NEW FEATURE AND CHANGE REQUEST

PROJECT MANAGER SCRUM MASTER · ANALYST · ARCHITECT · TECH LEAD · STAKEHOLDER BUSINESS/PRODUCT OWNER · DEVELOPER · RELEASE MANAGER · TESTER

Collaborative Model Issues Classification

Every day many teams live in this context
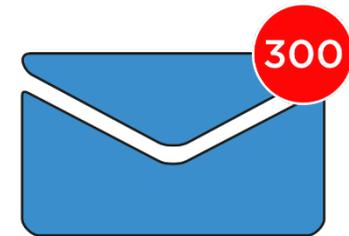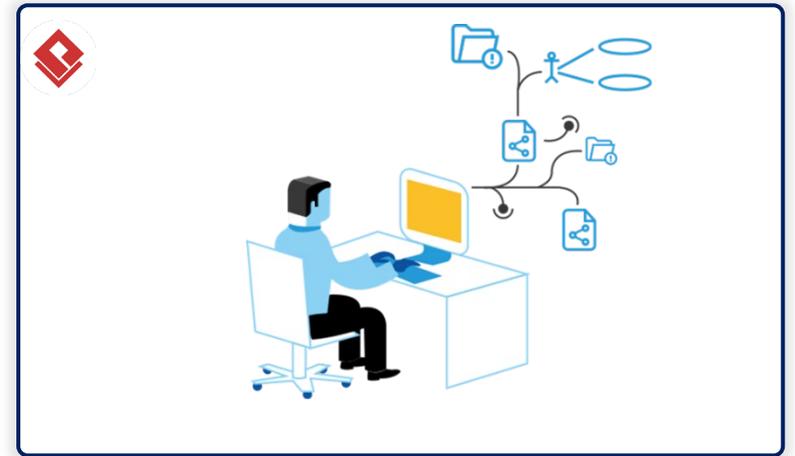
- Too **many conflicts** detected on delivery time are the cause of **too many reworks**.
- **Bugs** flooding.
- Who does what is **unknown**.
- **Heavy delay** in delivery and milestone.
- **Unproductive** budget management.
- **Bad** knowledge management.

ENGINEERING EFFICIENT METHOD LACK IT'S PROJECT FAILURE CAUSE
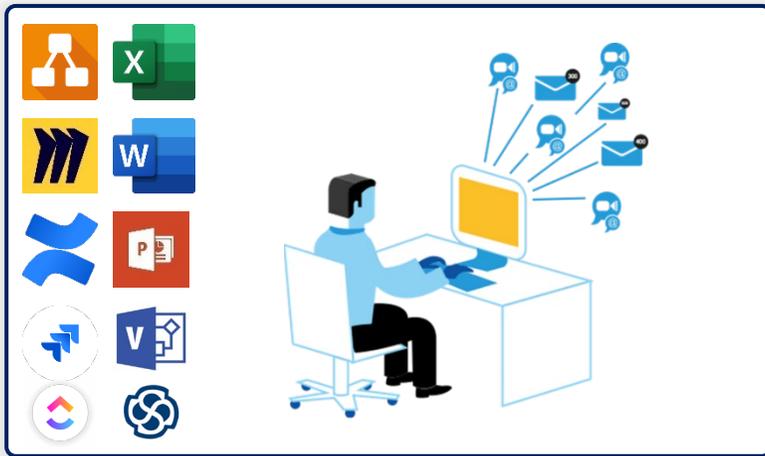
IT'S TIME TO PASS FROM THIS TO THIS

Main Issues Classification & Resolution

Architectures (Business, Information System, Technology) **not** aligned. **Difficulties** in **collaboration/knowledge transfer** between professional roles, teams and departments.
Heterogeneous **tools** used **not** suitable for **supporting** digital **transformation** & IT **design** **standard**.

Enterprise Architecture

- Modeling
  - **BPMN**, **ArchiMate**
- Framework
  - **Zachman**
  - **TOGAF** (ADM)(Process Map, Guide-Through)

System Design

- Modeling
  - **UML/RestML** (**API**), SoaML, **SysML**
  - **ERD**, DFD
  - **Design Pattern**, **Refactoring**,...
  - UX/UI with Wireframe/Wireflow
  - Advanced tools (**ETL**, **Views**,...)

Project Management, Agile

- Lifecycle
  - **PMBOK**(Process Map)
  - **PM**(Process Map, Guide-Through)
- Scrum (**Process/Large Scale** Canvas)
  - **Backlog** Management with USM
  - **Workload** Estimation
  - **Progress** Management
- Nexus (Canvas)
- Task Management/Monitoring
- Planning (Gannt, PERT) & Scheduling
- Report Generation
- Diagrams & Charts templates

DevOps

- Code Engineering(Forward/Reverse)
  - **Class**
  - Source Code (Java, C#, C++, Python...)
  - **Swagger**, **Open API**, API blueprint
  - Persistence (DB, Hibernate,...)
  - Run in IDE (Eclipse, NetBeans, ItelliJ,...)
- DB Engineering(Forward/Reverse)
  - **Database support** (Oracle, SQLServer,...)
  - **DDL**, **DML** generation
  - Persistence (Hibernate, NHibernate) support
- **Use Case** management
- **Visual Modeling** capabilities
- **Automatic docs** builder

VISUAL PARADIGM solution offers ALL this & MUCH MORE!

The Solution

to promote
Standards, Reuse, Automation and Cooperation

Visual Paradgim the solution ALL in ONE!

A **suite** of **design**, **analysis** and **management** tools **to drive** your IT project **development** and **digital transformation**.

Enterprise Architecture

Project Management, Agile

DevOps

System Design

- Central Workspace
  - **Cloud**-based**1 GB storage + services FREE** or self-hosted (**on-premise**) solution.
  - Sophisticated permission settings
  - Active Directory / LDAP authentication
  - SAML authentication through Okta or Microsoft Azure
  - Work off-line (via local repository)

Collaboration
Access your work anytime and anywhere

- Work Concurrently
  - **Merge not override (**resolving any conflicted changes)
  - Revision control
    - Versioning, Browse/Compare revision, Tagging, Revert change, Braching, Tagging
  - Change request management

- Built-in communication
  - **Post based**
  - Discussion history

Easy
Communication

- Stakeholder engagement
  - **Online diagram browser**
  - Discuss and comment on design

The Solution to promote Standards, Reuse, Automation and Cooperation

Visual Paradigm desktop client products edition

Discover the **Best Fit** for Your **Needs**.

Modeler

Modeling (UML, SysML, ER, BPMN, DFD, EPC) via Diagram Navigator/Logical View. Promote reuse via Model Explorer made available by the framework. Team Collaboration, Task Management, Project Glossary, Online diagram editor.

Standard

Advanced tools: Rest/Soa ML, Systems/Processes/UX design, Code & Database Engineering, ORM, automatic documentation, diagrams animation, advanced model management, Gantt chart, User Story, CJM, Zachman.

Includes all features of the MODELER edition.

Professional

Agile framework (Scrum, LeSS, Nexus) that make teams productive. Project Management Lifecycle (PMBOK, Process Map, Guide-Through). On-Demand ETL, Change request management, Business rule, Visual file cabinet.

Include all features of the STANDARD edition.

Enterprise

Enterprise tools (TOGAF ADM, ArchiMate, NoDAF, DAF, MODAF) end-to-end, automatically driven processes for architectures. Processes customization. Enterprise Model finder.

Includes all features of the PROFESSIONAL edition

A c c e s s i b i l i t y   o f   t h e   web-based features

Visual Paradigm desktop client & your new **AI Assistance**

Visual Paradigm **17.3** introduces a suite of **powerful AI apps** designed to **accelerate** your software **engineering workflow**. Move from idea to implementation **faster** than ever.

Planning & Design

Tools to assist with the initial stages of a project, from ideation to system architecture.

Documentation & Refinement

Tools that help refine and finalize your project's documentation and logical flows.

Development & Creation

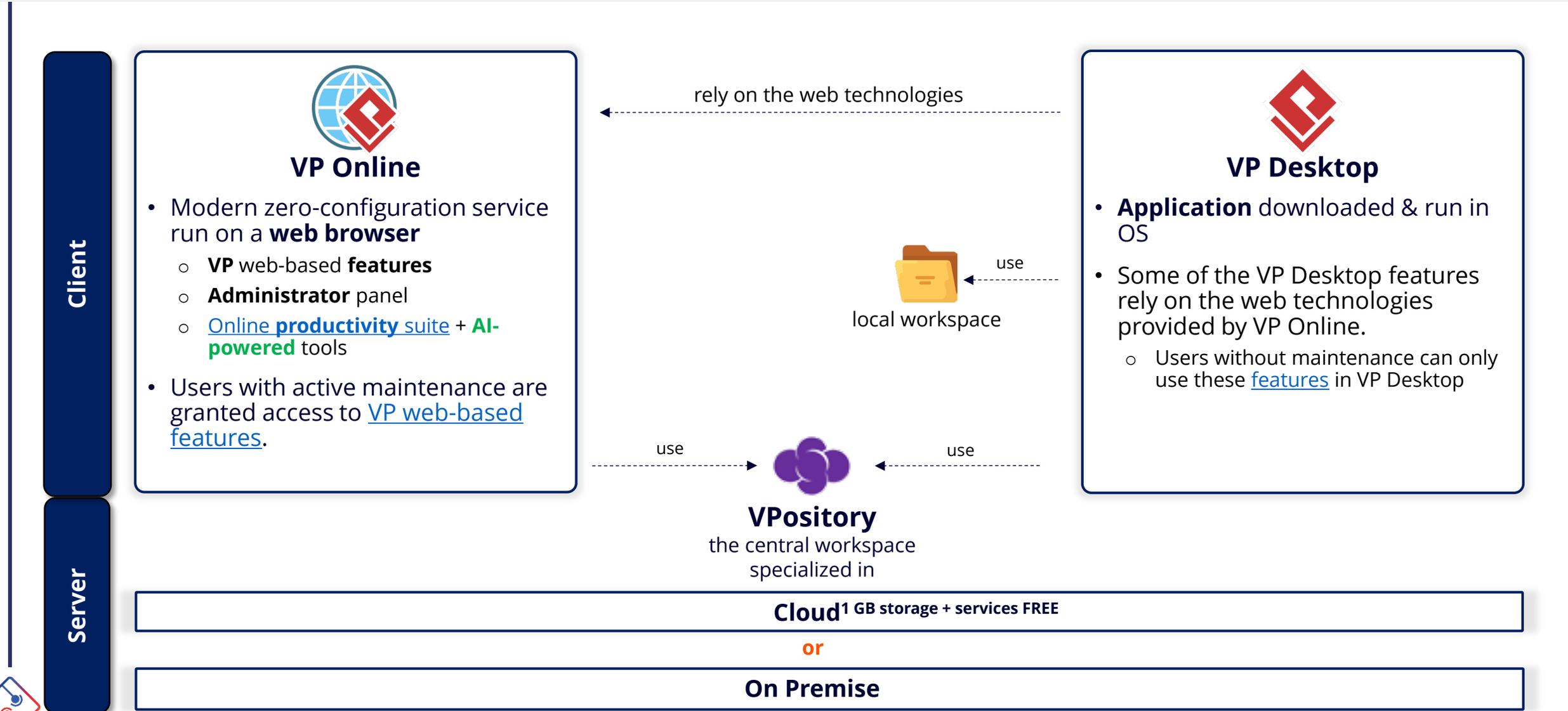Tool for the hands-on creation of project components.

AI apps

- **Development Plan Generator**: to quickly transform your project ideas into actionable roadmaps.

- **Problem Description Generator**: crafting a precise and professional problem description.

- **MVC System Architecture Generator**: helps you transform a high-level use case description into a detailed architectural blueprint.

- **Use Case Description Generator**: moving from a narrative use case description to a structured, comprehensive analysis.

- **Sequence Diagram Refinement**: transforms simple sequence diagram code into a detailed, layered representation of your system's architecture.

- **Use Case Diagram Refinement**: from a basic overview to a detailed representation that help you model alternative paths, shared functionality, and exceptional flows.

- **Use Case Scenario & Extend/Include Analyzer**: moving from a narrative use case description to a structured, comprehensive analysis; providing a clear decision table that serves your project's analysis and testing. Filter & visualize specific use cases and their related actors for clearer analysis from PlantUML diagrams.

- **Textual Analysis**: helps you identify core domain concepts and their relationships, laying a solid foundation for your software design.

- **JSON CRUD Table Maker**: revolutionizes how you create, populate, and interact with tables, making data handling intuitive and efficient.

- **Assisted Brainstorming:** provide enhanced brainstorming and idea organization, transforming a single thought into a structured, editable mind map that you can refine and export.

A v a i l a b l e   f o r   P r o f e s s i o n a l   &   E n t e r p r i s e   p r o d u c t s   e d i t i o n

Visual Paradigm client product types and dependencies

Families of products **different** but **related**!

Client

VP Online

- Modern zero-configuration service run on a **web browser**
  - **VP** web-based **features**
  - **Administrator** panel
  - Online **productivity** suite + **AI-powered** tools
- Users with active maintenance are granted access to VP web-based features.

rely on the web technologies

use

local workspace

VP Desktop

- **Application** downloaded & run in OS

- Some of the VP Desktop features rely on the web technologies provided by VP Online.
  - Users without maintenance can only use these features in VP Desktop

use   use

VPository
the central workspace
specialized in

Server

Cloud¹ **GB storage + services FREE**

or

On Premise

VP Online deep dive (User side)

Supercharge productivity with all-in-one **online** suite.

Digital Publication & Document Editor

Flipbook Maker
Design online Ebook and slideshow with Fliplify

Office Editors
Create/edit Word, Spreadsheet & PPT

PowerPoint Web Viewer
Convert PowerPoint to online slideshow viewer

PDF Editor
Lightweight PDF editor, tools and converters

File Converters
Convert files with ease

Graphic Designer

Graphic Designer
Professional visual creations

Photo Effect Tools
Enhance images creatively

Chart Maker
Visualize data effortlessly

AI Tools

AI Image Translator
AI-powered tool fro translating text in images across any language

AI Chart Generator
Transform your description into beautifully AI-powered designed charts

AI Mind Map Generator
Instantly create and organize AI-powered generated mind maps with ease.

More AI Tools
Simplify tasks anf boost your productivity with AI-powered tools.

Diagramming

Diagram Maker
Make flowchart, software, business diagrams

VPository for teamwork

Storage of your work, with **version control** file repository, **task management** and **commenting** tool. Enables **stress-free** design discussion with clients. **Cost-Effectiveness**, **Scalability**, **Resource Optimization**.

Features

VPository
the **central** workspace

Concurrent editing
Set of features for collaborative modeling including conflict management.

Central repository for design
Storage for development teams to store and share their visual models and much more!

Central repository for files
Storage for development teams to store and share any type of files!

Archiving revisions of design
Versioning, Revert, Tagging, Visual Diff.

Unlimited users and projects
Multitenant architecture, allowing multiple users to share the same application instance and infrastructure while keeping their data and configurations isolated from each other.

Secure
Protection against network security issues (DDOS, MITM, Sniffing). 256-bit SSL encryption. Redundant backups of all data to prevent data loss. Privacy (compliance with laws and law enforcement).

Administration

Management
Projects (including templates), Members, Just-In-Time Work Items, Process Canvas Work Items, Process Type, Plug-In.

Administration
Floating license, Project report, Members.

Configuration
VPository (Server)/Client, Single Sign-On, Disk usage.

Customer service
Billing, Workspace (central).

Visual Paradigm licensing

Versatile licensing system to **optimize costs** and **use**!

Client

VP Online

- **Subscription**
  - Rent for the number of months you paid for (billed monthly or yearly).
  - **Editions**
    - Free
    - Starter
    - Advanced
    - Combo (**free** for 30 days)
    - Deluxe
    - Corporate (let's talk): with all the Deluxe Edition features included + custom services for enterprise, government and organization.

VPository
teamwork server

VP Desktop

- **Perpetual** (Enterprise edition **free** for 30 days)
  - Includes a year's worth of updates as part of the free maintenance period. After this year, you can continue using the last version of Visual Paradigm you downloaded, indefinitely. You can extend the maintenance period.
  - **Floating mode** to share the same license with multiple users.
  - **Single seat mode** to assign the license to a specific person.
  - **Site** (let's talk) for enterprise, government and organization.
- **Subscription**
  - Rent for the number of months you paid for (billed monthly or yearly).

Server

Cloud[1 GB storage + services FREE]: subscription 30GB or 100GB (billed monthly or yearly).

or

On Premise: one-time payment (billed yearly) + 1 year maintenance/free upgraded are included.

COMPONENT FACTORY

What does your VP showcase cover?

🚀 where and how to improve

✅ showcase covered

Let's plan a pilot project together to apply **essential** and **powerful** shared features.

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