Teamyar, The Real Digital Workspace

Teamyar ERP **Workspace**

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White Paper

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1.   Introduction and Problem Statement

What would the future of the work look like? A digital desk on your VR glasses before your eyes? Will it still be bounded to the walls of a small office that may be placed in the middle of downtown?

The nature of work is subjected to enormous changes in the last few years. "Digital Work" - utilizing information technologies to execute business tasks - becomes the dominant form of working. According to SWZD "76% of businesses plan on long-term IT changes as a result of COVID-19" in 2021.

In response to this paradigm shift, different IT companies presented various solutions under the name of "Digital Workspace". These Digital Workspaces basically offer a few features like telecommunication, project management, digital calendar, and email services.

According to Search Enterprise Desktop "A Digital Workspace is an integrated technology framework that centralizes the management of an enterprise's applications, data, and endpoints, allowing employees to collaborate and work remotely."

Based on this definition, a digital workspace should be expected to be more than just a simple small set of communication tools. In order to make a business "run remotely", a Digital Workspace needs to cover various functional areas of the business, from CRM, Sales, projects, accounting, to human resources and payroll.

As the first and only ERP-Based digital workspace, Teamyar Workspace is developed to fulfill this specific need. A comprehensive, powerful, and integrated software that aggregates all the complex data collected from business processes, with more than 30 different digital workrooms, each designed for a specific activity.

In this document, we discuss the features and advantages of Teamyar, the "Real Digital Workspace".

Why Should You Choose an ERP-Based Digital Workspace?

ERP Systems are the only systems that fit the digital workspace concept since they have:

- Self-inclusive Infrastructure
- An Integrated System
- All Essential Applications of the Business
- Comprehensive Collaboration Tools

Teamyar as the digital workspace.

- Customizable
- Integrated
- Comprehensive
- Complete
- Suitable for Hybrid Workspaces
- User-friendly
- Cloud-based
- Cost-efficient
- Futureproof

2.   Teamyar, the Real Digital Workspace

Founded in 2009, Teamyar company started its activities using a knowledge-based approach to design enterprise integrated software solutions. Today, Teamyar provides more than 30 ERP-based solutions designed to automate various business processes of all scales. Triggered by the pandemic in 2020, "Teamyar Digital Workspace", was designed and developed as the only comprehensive and complete digital workspace. An opportunity for businesses to pivot to a new workplace arrangement. Using the latest standards and technologies, Teamyar provides its users with a digitalized, integrated, intelligent, secure, and agile working experience.

With more than 30 different modules, Teamyar offers businesses a customized workspace dedicated to optimize their productivity.
Each workspace has multiple "digital workrooms" categorized as follows.

Digital Hall

The Hall is a place in which colleagues can:
*   Check working status of each other
*   Communicate with each other
*   Read latest company's news and notifications
*   Check their active (open) tasks
*   Check their calendar
*   Get informed about special events and celebrations
*   Get contact information of each other
*   Directly continue their recent chats
*   Customize their personal dashboards using useful widgets

Human Resources Digital Workroom

This digital workroom involves:
- HR KPI Dashboards
- Online Recruitment Portal
- Attendance and Leave Management
- Payroll
- Performance Management
- Employee Communications Tools
- Compensation and Benefits
- Contract Management
- Employee Training Management
- Remote Work Software
- Survey System

Accounting and Finance Digital Workroom

- Financial Ratios Dashboard
- Treasury management
- Cost Accounting
- Managerial accounting
- Foreign Exchange Accounting
- Cost of Goods Manufactured
- Cost of Goods Sold
- Financial Ratio Reports
- Facilities Management
- Fixed Asset Accounting
- Budgeting and Credit Management
- Petty Cash Management

Marketing and Sales Digital Workroom

- Telemarketing and Sales KPI Dashboards
- Customer Relationship Management (CRM)
- Integrated Content Management System (ICMS)
- Online Shop Maker
- Digital Booking System
- Pricing System
- Branch Management System
- Distribution System
- Ordering Management System
- Customer Portal
- Email and Text Marketing
- Survey System

Aftersales Services Digital Workroom

- Call Center KPI Dashboards
- Customer Relationship Management (CRM)
- Guarantee/Warranty Management System
- Service Management System (SMS)
- Customers Portal
- Email Server Management
- Text Message Management
- Ticketing System
- Survey System

Manufacturing Digital Workroom

- Manufacturing KPI Dashboards
- Materials Requirements Planning (MRP)
- Manufacturing Resource Planning (MRPII)
- Master Production Schedule
- Engineering Order System
- Quality Control (QC) System
- Performance Recording System
- Maintenance System
- Condition Monitoring System

Warehouse and Assets Digital Workroom

- Fixed Assets Management System
- Inventory and Warehouse Management System
- Product Management System
- Logistics Management System

CEO Digital Workroom

Make best decisions about business strategies with:

- Real-time BI Reports in Customized Dashboards
- Easily Understandable Sales Reports
- Summarized Financial Reports
- Brief Reports about Marketing Efforts and Market Researches
- HR Status and Performance Scores

Additional Facilities of Teamyar Workspace

- Business Process Management System (BPMS)
- Documentation Management System
- Office Automation System
- Task Management System
- Project Management System
- Knowledge Management System
- Task Follow Up System
- Report Maker (Business Intelligence)
- Form Maker
- Calendar
- Online Microsoft Office Document Editor
- Video Conference Tools
- VoIP Integration Tools

ERP-based but not limited to an ERP system

Teamyar offers businesses, features beyond both a typical ERP system and a conventional digital workspace.

- **Integrated Content Management System (ICMS),** Design and manage business websites by Teamyar's Integrated SEO friendly CMS. Without limitations. Fully compatible with HTML and Bootstrap 5.0. tags and scripts.

- **Online Shop Maker** Run online shops easily, track customers, and fulfill orders instantly without any error. Place the online shop at the heart of logistic process.

- **The "Gateway" Module** Make other software integrated with Teamyar. Expand your digital workspace with no limitations.

3.   Comparing Teamyar to Other Digital Workspaces

The integrity of an ERP system, the communicative capacity of a team collaboration tool, alongside with the flexibility of a fully customizable software make Teamyar an All-in-one solution. Teamyar allows businesses integrate all their processes in a unique unified platform. Table 1 compares Teamyar to some of other digital workspaces in the market.

Table 1. Comparing Teamyar to Other Digital Workspaces

Business System	Teamyar	Google Workspace	AWS	Trello	Monday	ASANA
Fully customizable	●	✗	✗	✗	✗	✗
Managerial Dashboards	●	✗	●	✗	✗	●
Human Resources Management System	●	✗	✗	✗	●	✗
Accounting & Finance Management System	●	✗	✗	✗	✗	✗
Marketing & Sales Management System	●	✗	✗	✗	●	✗
Aftersales Services	●	✗	✗	✗	✗	✗
Manufacturing Management System	●	✗	✗	✗	✗	✗
Warehouse & assets Management System	●	✗	✗	✗	✗	✗
Business intelligence (BI)	●	✗	✗	✗	●	✗
Text Chat	●	●	●	●	●	●
Voice Chat	●	●	●		●	
Video Chat	●	●	●	✗	●	✗
VoIP Integration System	●	✗	✗	✗	✗	✗
Video Conference	●	●	✗	✗	●	✗
Email Server Integration	●	Gmail Only	✗	✗	✗	●
Calendar	●	●	✗	●	●	●
Document Management	●	●	✗	●	✗	●
Task Management	●	●	●	●	✗	●
Project Management System	●	✗	●	●	●	●
Survey Tools	●	Limited	✗	●	●	✗
Integrated Content Management System (ICMS)	●	Limited	✗	✗	✗	✗
Online Shop	●	✗	✗	✗	✗	✗
Cloud-based	●	●	●	●	●	●
Form Maker	●	✗	✗	✗	✗	●
Report Maker	●	✗	✗	✗	✗	●
Office Automation	●	✗	✗	✗	✗	●
Business Process Management System (BPMS)	●	✗	●	✗	●	●

4.   Data Security and Data Privacy

a. Structure

Programming Language: Teamyar is exclusively designed and developed by Iranian C and C++ developers. It utilizes a unique and Closed Source Software (CSS) framework. Utilizing a compiler in C and C++ languages makes them more secure than scripting languages. Penetration through system bugs would also be more complicated and requires more trial and error for attacking.

Integrity: Teamyar is a unified and integrated platform that encompasses various applications for businesses, which eliminates the need for using multiple platforms. This feature limits potential vulnerabilities and security holes, and therefore the risk of data theft and cyber-attacks.

Access Control Layer: Teamyar framework benefits from a layer for controlling user access to any resource. This security layer also enables customers to limit their own users' access. Moreover, it executes additional checks for development bugs and errors.

b. Security Standards

Teamyar is regularly audited against international standards including:

- ISO/IEC 27001 (Information Security Management)
- GDPR (General Data Protection Regulation)
Also, OWASP penetration tests ran three times for checking security holes.

c.   Data Privacy

We are committed to protecting customer data. Teamyar does not collect user data for any business purpose. Access to customer data is limited to crashes and errors, which is for system updates, bug fixes and user experience enhancement

d. Other Security Solutions

Docker Software Platform: It isolates every sub-system from others, so the security holes of one sub-system wouldn't distribute to the whole system.

Micro Service Architecture: Due to separate memory for each module, it makes modules independent. It reduces distribution of possible crashes in a module to other modules.

Content Delivery Network (CDN): CDN is a server that enables indirect transfer of traffic and requests between clients and Teamyar servers; and cuts off unwanted access to client content.

5.   Customization and Development

a.   Teamyar Customers Portal

As mentioned, Teamyar Workspace is a fully customizable software. Businesses can request any customization according to their unique processes through Teamyar Customers Portal. Teamyar experts analyze businesses technical architectures, and perform requirements assessment to make Teamyar a suitable workspace for each business.

b.   Gateway Module

Teamyar "Gateway" module enables businesses to unify any external software to their workspace, regardless of the programming language or operating system. The software can be displayed on the Gateway module, as long as it is compatible with Teamyar UI, and transfers only through HTTP, HTTPS protocols. Also, further development or customization can be applied to previous applications later.
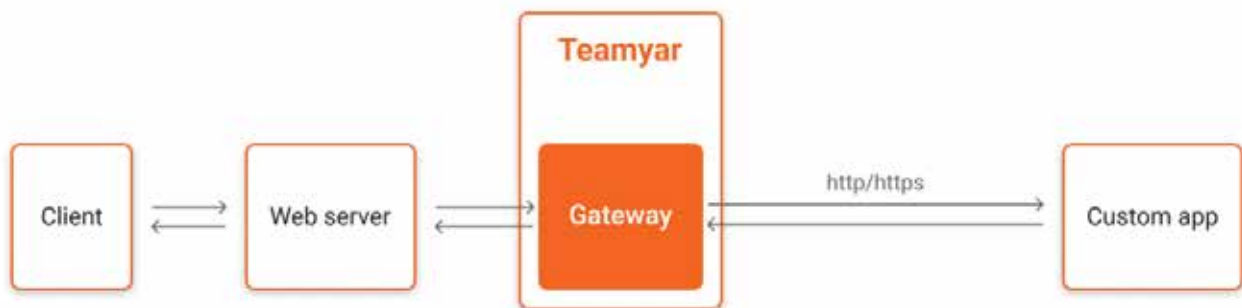

Diagram 1. Gateway Module Architecture

6.　Conclusion

In recent chapters we discussed various features of a digital workspace, and compared Teamyar with other digital workspaces in the market.

We provided information about why Teamyar is a reliable, integrated and comprehensive digital workspace. Introduced digital workrooms and their technical components. Also, additional features that are exclusively provided by Teamyar.

Teamyar brings you simplicity, flexibility, and productivity as the "Real Digital Workspace".

7.　Disclaimer

This white paper is published for informational purposes only, yet we make no warranties about the completeness, accuracy, or validity of the content. It should not be relied upon in purchasing decision. Future direction of "Teamyar Workspace" as our product is not committed. Any development of features and releases are subject to change and may be changed by Teamyar at any time for any reason. Teamyar has no commitment to user purpose of use of its products. Please note that Teamyar provides no warranties about its products due to other countries' restricting or prohibiting regulations.