# **Architecture WIS Report**



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# **Executive Summary**

This report provides an analysis of what is known by the members of the group about the architecture of Web Information Systems (WIS), before the development of the subject. The content of the report will focus on what it is, its components and characteristics.

# **Revision Table**

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| **Revision Number** | **Date** | **Description** |
| 1.0 | 20/02/2025 | Initial version – all sections added |

# **Introduction**

**Web Information System (WIS)** architecture refers to the structured design and development of systems that operate over the web, enabling users to access, manipulate, and store data through online platforms. WIS plays a crucial role in modern software development by integrating various technologies, thus giving wide flexibility in the development of this architecture.

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Some characteristics known by the team are:

* **Client-side technologies:** wide flexibility of technologies like HTML, CSS, JavaScript and frameworks like React for rendering content dynamically.
* **Client-server model:** users access systems through browsers. The comunication is based on users requests and servers’ responses.
* **Database integration:** information is typically stored in relational databases and non-relational databases.
* **Security mechanisms:** include encryption mechanisms, authentication protocols (Oauth and JWT are standards) and protection against web-based threats.

# **Conclusion**

Web Information System architecture is a modern digital infrastructure that provides businesses and organizations with a structured way to manage and distribute information across web-based platforms. With advancements in web technologies, WIS continues to evolve improving efficiency, scalability, and security.

# **Bibliography**

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