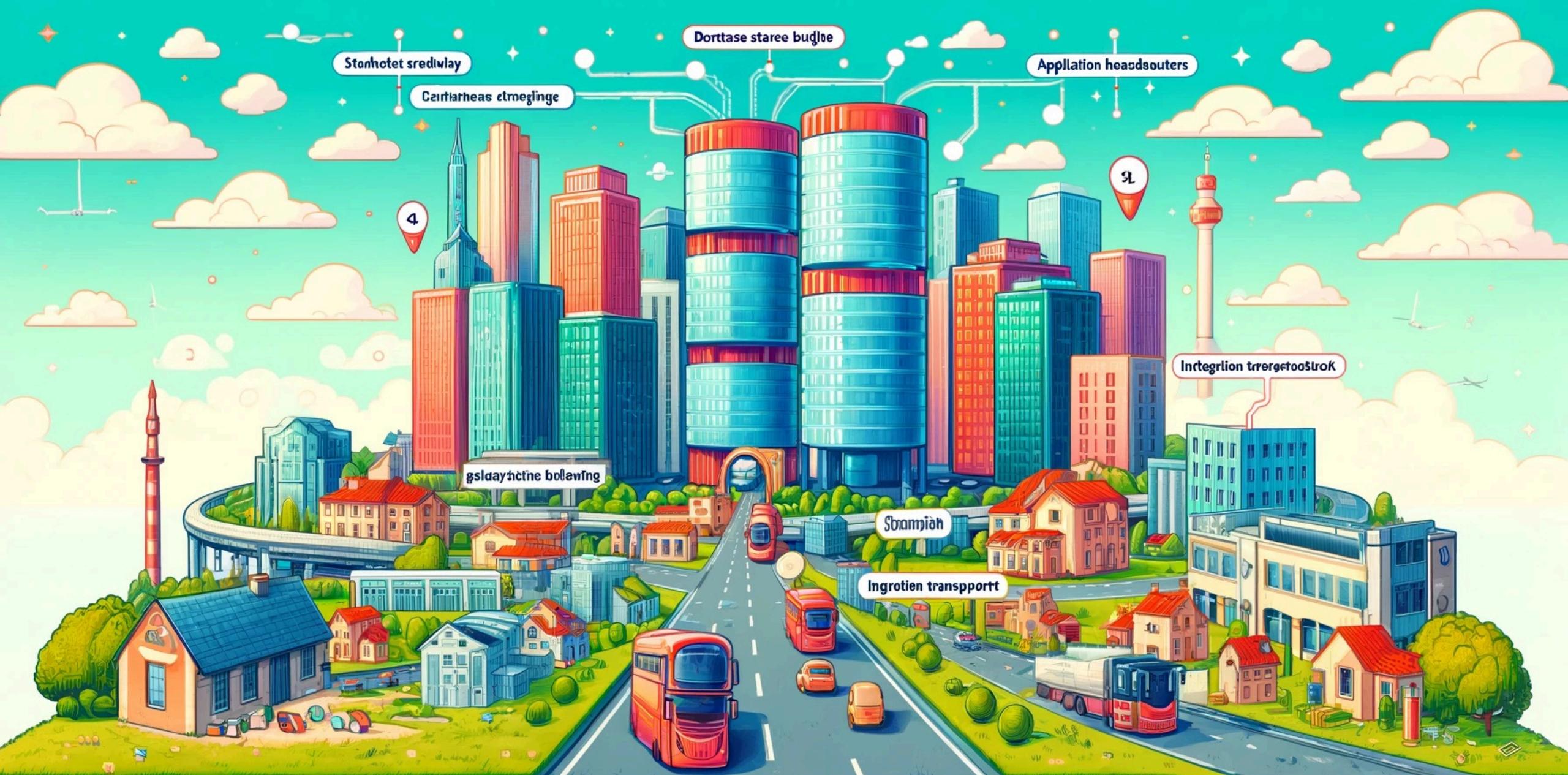


Information Systems Arkitektur





Architect behind the city

I er arkitekter, der skal designe en del af en "*data/applikationsby*", hvor hver bygning repræsenterer en form for opbevaring-data, transport-process eller funktion-applikation.

Hvordan skal disse bygninger (*data og applikationer*) interagerer og støtter hinanden i en større infrastruktur.



I grupper på 3-5 personer.

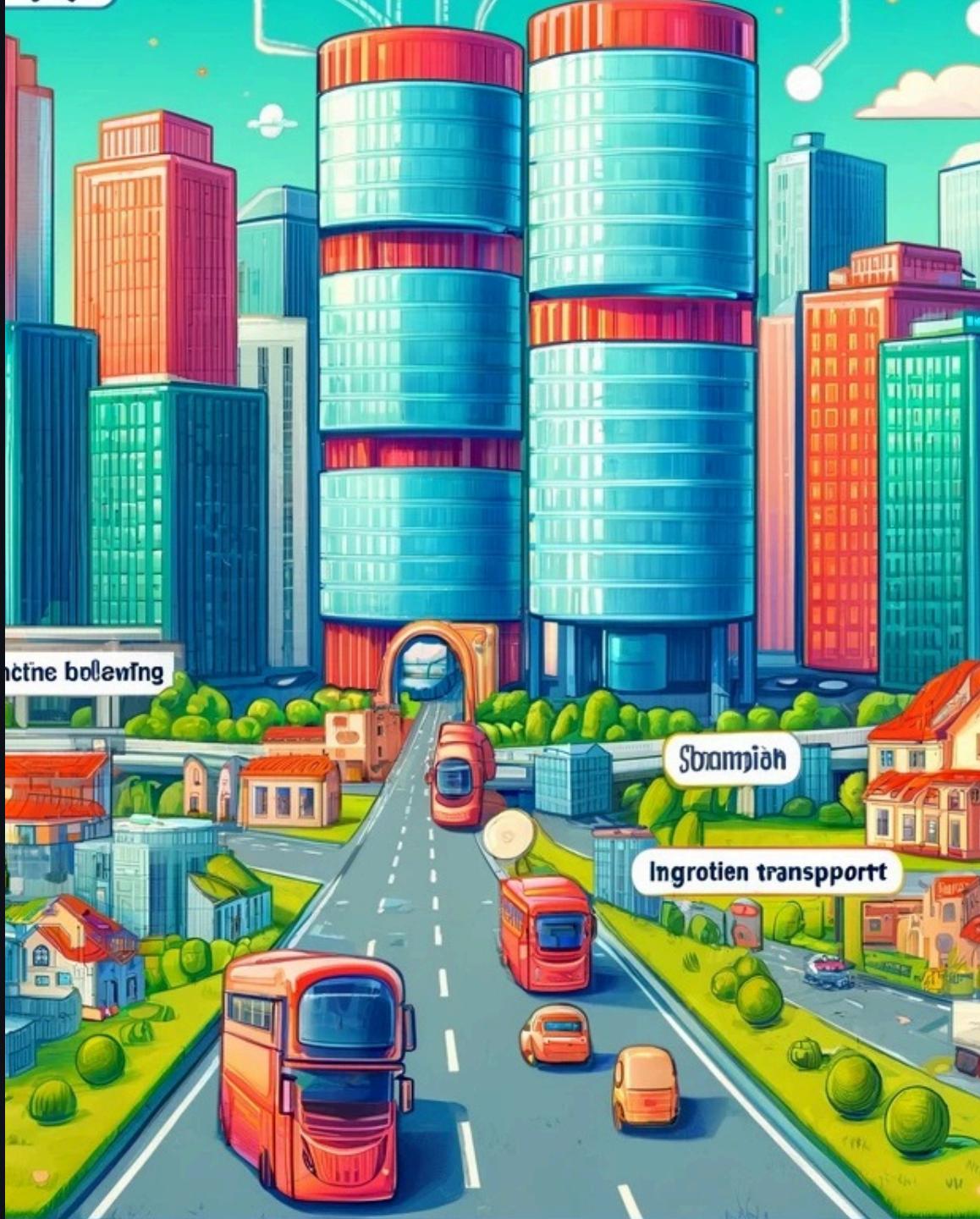
Hver gruppe vælger en type bygning I vil designe. Det kan være en *database-lagerbygning*, et *applikations-hovedkvarter* eller et *integrations-transportcenter*.

I grupperne **diskuterer**, i hvad jeres bygning skal indeholde, hvordan den **interagerer** med andre bygninger og hvilken rolle den spiller i byen (**systemet**).



I tegner jeres bygning og forbereder en **kort præsentation**, hvor I forklarer jeres **designvalg** og **interaktioner** med byens andre elementer.

Hver gruppe præsenterer deres "**bygning**" for klassen, og andre kan stille spørgsmål eller komme med forbedringer.



Refleksion

Hvordan arbejder forskellige **data- og applikations-komponenter sammen i større systemer.**

Vigtigheden af, hvordan data og applikationer er **struktureret og integreret.**

Hvad startede I med at designe?

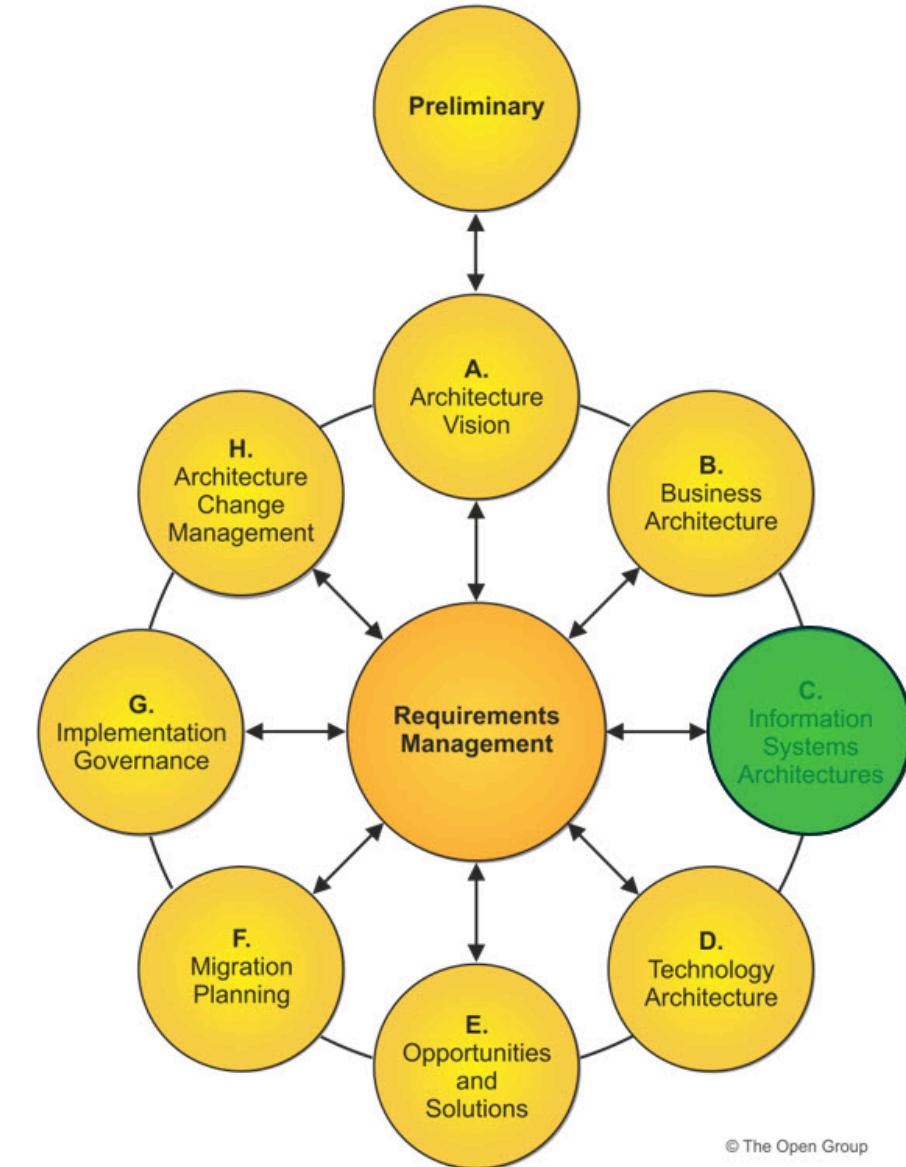
Dokumentation? - Diagrammer?



Information Systems Arkitektur

- Data Arkitektur
- Applikations Arkitektur

Typisk er det bedst at starte med **Data**-
og **derefter Applikation-Arkitektur**



Preliminary	Business Architecture	Data Architecture	Application Architecture	Technology Architecture																																
<p>Catalogs</p> <ul style="list-style-type: none"> Principles Catalog <p>Architecture Vision</p> <p>Catalogs</p> <ul style="list-style-type: none"> Stakeholder Catalog <p>Diagrams</p> <ul style="list-style-type: none"> Value Chain Diagram Solution Concept Diagram Business Model Diagram Business Capability Map Value Stream Map <p>Opportunities and Solutions</p> <p>Diagrams</p> <ul style="list-style-type: none"> Project Context Diagram Benefits Diagram <p>Requirements Management</p> <p>Catalogs</p> <ul style="list-style-type: none"> Requirements Catalog 	<p>Catalogs</p> <table border="1"> <tr> <td>Organization/Actor Catalog</td> <td>Contract/Measure Catalog</td> </tr> <tr> <td>Driver/Goal/Objective Catalog</td> <td>Business Capabilities Catalog</td> </tr> <tr> <td>Role Catalog</td> <td>Value Stream Catalog</td> </tr> <tr> <td>Business Service/Function Catalog</td> <td>Value Stream Stages Catalog</td> </tr> <tr> <td>Location Catalog</td> <td>Business Glossary Catalog</td> </tr> <tr> <td>Process/Event/Control Product Catalog</td> <td></td> </tr> </table> <p>Matrices</p> <table border="1"> <tr> <td>Business Interaction Matrix</td> <td>Strategy/Capability Matrix</td> </tr> <tr> <td>Actor/Role Matrix</td> <td>Capability/Organization Matrix</td> </tr> <tr> <td>Value Stream/Capability Matrix</td> <td></td> </tr> </table> <p>Diagrams</p> <table border="1"> <tr> <td>Business Footprint Diagram</td> <td>Process Flow Diagram</td> </tr> <tr> <td>Business Service/Information Diagram</td> <td>Business Event Diagram</td> </tr> <tr> <td>Functional Decomposition Diagram</td> <td>Business Capability Map</td> </tr> <tr> <td>Product Lifecycle Diagram</td> <td>Value Stream Map</td> </tr> <tr> <td>Goal/Objective/Business Service Diagram</td> <td>Organization Map</td> </tr> <tr> <td>Business Use-Case Diagram</td> <td>Information Map</td> </tr> <tr> <td>Organization Decomposition Diagram</td> <td></td> </tr> </table>	Organization/Actor Catalog	Contract/Measure Catalog	Driver/Goal/Objective Catalog	Business Capabilities Catalog	Role Catalog	Value Stream Catalog	Business Service/Function Catalog	Value Stream Stages Catalog	Location Catalog	Business Glossary Catalog	Process/Event/Control Product Catalog		Business Interaction Matrix	Strategy/Capability Matrix	Actor/Role Matrix	Capability/Organization Matrix	Value Stream/Capability Matrix		Business Footprint Diagram	Process Flow Diagram	Business Service/Information Diagram	Business Event Diagram	Functional Decomposition Diagram	Business Capability Map	Product Lifecycle Diagram	Value Stream Map	Goal/Objective/Business Service Diagram	Organization Map	Business Use-Case Diagram	Information Map	Organization Decomposition Diagram		<p>Catalogs</p> <ul style="list-style-type: none"> Data Entity/Data Component Catalog <p>Matrices</p> <ul style="list-style-type: none"> Data Entity/Business Function Matrix Application/Data Matrix <p>Diagrams</p> <ul style="list-style-type: none"> Conceptual Data Diagram Logical Data Diagram Data Dissemination Diagram Data Security Diagram Data Migration Diagram Data Lifecycle Diagram 	<p>Catalogs</p> <ul style="list-style-type: none"> Application Portfolio Catalog Interface Catalog <p>Matrices</p> <ul style="list-style-type: none"> Application/Organization Matrix Role/Application Matrix Application/Function Matrix Application Interaction Matrix <p>Diagrams</p> <ul style="list-style-type: none"> Application Communication Diagram Application and User Location Diagram Application Use-Case Diagram Enterprise Manageability Diagram Process/Application Realization Diagram Software Engineering Diagram Application Migration Diagram Software Distribution Diagram 	<p>Catalogs</p> <ul style="list-style-type: none"> Technology Standards Catalog Technology Portfolio Catalog <p>Matrices</p> <ul style="list-style-type: none"> Application/Technology Matrix <p>Diagrams</p> <ul style="list-style-type: none"> Environments and Locations Diagram Platform Decomposition Diagram Processing Diagram Networked Computing/Hardware Diagram Network and Communications Diagram
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