

Agylytyx Generator™

Strategy visualized™

This technical document will provide you with a brief overview of the Agylytyx Generator. The Agylytyx Generator is an industry standard, technology compliant application built to scale with you as your needs grow. Security is a top priority so whether you choose the cloud, premise or hybrid deployment this browser based application is highly secure from the user interface to the network and backend databases.

Application Architecture

The Agylytyx Generator follows the model-view-controller pattern for software design. The tool has been built using W3C compliant software technology leveraging HTML, CSS, JavaScript JQuery and JSON. Adhering to these standards enables flexibility, extensibility, and cross-browser support.

Deployment Options

The modular nature of the tool provides customers with options for scale and feature deployment. IT managers can select between distributed deployments that support each entity (such as business units, regions, or functions) or opt for a large single instance farm to support the entire enterprise. Customers may choose premise, cloud-based, or hybrid deployments of the software depending on business requirements and constraints. Automated aggregation of data flows based on organizational structure between instances maximizes deployment flexibility.

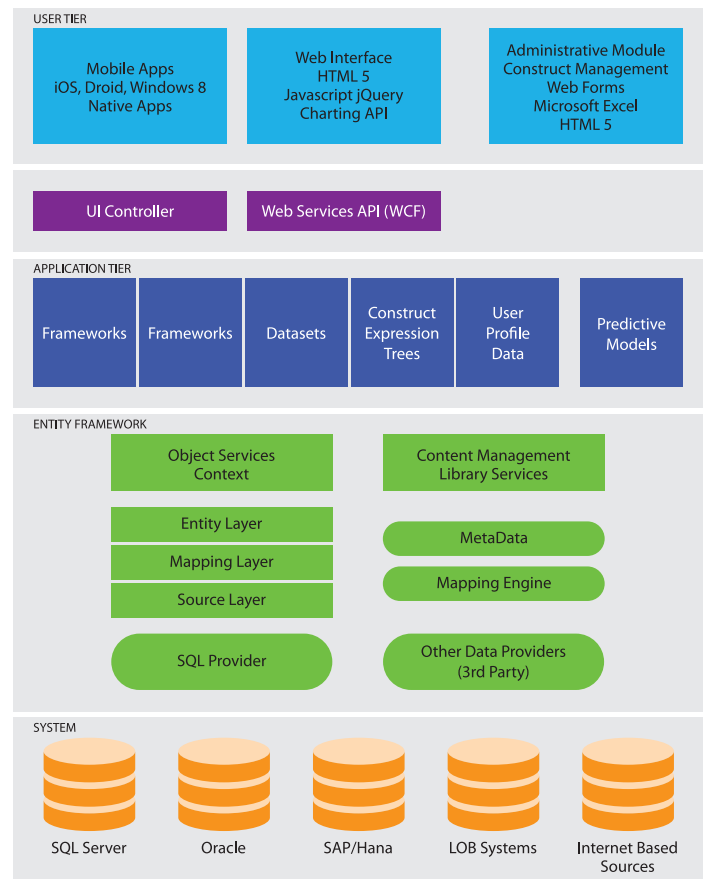
Application Interoperability

Because the application adheres to standards, end-users may extend the application to satisfy incremental business requirements. For example, users may build integration mechanisms to display output in other applications, build data workflow and integration to line of business systems, and personalize the interface for corporate purposes. Access to the business layer logic and underlying data structure is accessible through a framework application programming interface (API) either through web services or direct access to the Common Library Runtime. The Graphical User Interface is based on HTML and open charting APIs. As a result, the tools will support most modern browsers: Chrome, Explorer, Firefox Internet Explorer, and Opera. Functionality between browsers is equivalent and follows vendor implementation of the standards.

Platform Architecture

All applications are web based. The applications are configured to run standard ports for HTTP traffic. Interprocess communication and communication to the database depends on customer configuration. For example, SQL Server may leverage either dynamic ports or port 1433. HTTP and HTTPS traffic may run

over port 80 and 443 respectively. The application may be configured to respond to different ports if firewall configurations mandate. The application responds well to reverse proxy and load balancing demands. The application itself already utilizes content caching schemes to ensure a responsive user experience. Data integration can be achieved either through API functional loading/data model access or by leveraging database layer integration for aggregation, subscription, or replication. Ports for these methods of communication are fully configurable. By default, the web services API uses the same ports as the main web application.



Application Security

The application leverages standard Forms Based Authentication. Active Directory™ integration for this application is a valid alternative. The application implements granular role based authentication.

Users with administrative privileges can provision and manage users and roles. Authoring users can create and build analytical constructs. By default, data is assigned to users who create and upload datasets.

Explicit sharing must be initiated to enable other users to view models. Data authorization is respected regardless of sharing attempts. This role-based data security approach ensures data privacy for sensitive information within the enterprise.



Network Security

Agylytx employs state of the art testing tools for security and penetration testing using industry standard static application security testing (SAST) tools. These tools enable developers to create security code from the outset, and ensure that the application will not be compromised.

Agylytx hosts their cloud solution in a Top Tier SSAE 16 type II data center facilities. These facilities provide highly reliable

and stable redundant power and telecom. The center is monitored 24 x 7 and is highly physically secure in order to prevent unauthorized entry. The Security Operations Center monitors for intrusion detection and ensure that all access to these systems are audited and tracked.

Technical Support

The Agylytx Generator™ application is constantly monitored to assure maximum uptime of the application environment. Our executives have experience designing and delivering enterprise support for companies like IBM, Cisco, and Microsoft, and have created enterprise-class support structures. When technical questions come up, Agylytx has designed a support structure designed to mirror the ways organizations use the application.

Case Definitions

The Agylytx Generator is robust yet simple to use. If any challenge with a customer arises the Agylytx team is focused on permanent remediation, not workarounds. The support team at Agylytx prioritizes support requests into the following incident priorities:

Threat Level	Definition	Response Time
Urgent	Immediate, high business impact or application unusable	2 hours
Critical	Near term and/or high business impact or application performance unacceptable	4 hours
Severe	Intermediate/Long term business impact or application performance effected	Next business day

Feature or functional enhancement requests, along with requests for training, are directed to a separate queue and handled by dedicated personnel.

Tiered Support Options

At Agylytx, we recognize that different organizations apply the Agylytx Generator to solve different business problems. For this reason, some organizations have more of a “mission critical” attitude toward the application.

Agylytx has chosen to tier its response appropriately, so each company can choose the support structure that is right for them. Gold support is provided with all applications. Customers wishing to expand their support options should consider upgrading to Silver or Platinum support.

	Gold	Silver	Platinum
Appropriate if:	<ul style="list-style-type: none"> No integration Not mission critical 	<ul style="list-style-type: none"> Asynchronous integration Mission Critical 	<ul style="list-style-type: none"> System Integration Mission Critical
Incidents:	Unlimited	Unlimited	Unlimited
Support Window:	Business Hours	Weekday	24 x 7 x 365
Support Mechanism:	<ul style="list-style-type: none"> Knowledge Bank Email 	<ul style="list-style-type: none"> Knowledge Bank Email Live Chat 	<ul style="list-style-type: none"> Knowledge Bank Email Live Chat Telephone



Agylytx 440 North Wolfe Road Sunnyvale, CA 94085 (408) 685-2051 www.agylytx.com

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