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GTECH  
**G2SPORTS**  
We Speak Sports Betting

**GTECH G2 Sports is the industry's leading solution. Described by leading publications as the ultimate solution we have the technology and the trading services to take you into the premier league.**

We have combined 25 years of lottery sports betting experience with the leading commercial market solution, to ensure that we can deliver an unrivalled experience for your player. With more markets and the ability to tailor the solution to your specific needs, we can make sports betting revenues a reality for all customers big or small.

GTECH G2 Sports comprises of the core engine and a host of associated support modules. The modular architectural approach allows you to fit the components to your own architecture. So whether you are looking for a complete one stop solution to all your betting solutions or you are looking to integrate new functionality to your existing operations, we have the answer.

At GTECH G2 we have the most experienced trading services team in the industry. Our trading department consists of odds compilers and risk managers drawn from a number of leading global bookmakers. The brand new "Event and Risk Management Laboratory" drives automation and ensures the trading operation is supported by market leading derivatives and price charts.

Serving more than 40 companies around the globe including the world's leading lotteries and commercial operators and processing more than €8 billion in revenue annually.

**At GTECH G2 – We Speak Sports Betting**



# Key Product Facts

## EPoS

### What is EPoS?

EPoS is GTECH G2's distributed retail betting product.

It consists of a central Headquarters application with master database and servers in each shop – allowing for fallback to offline operation in the event of network failure, and for distributed processing.

### Why EPoS?

EPoS was specifically designed for the UK and Republic of Ireland's style of retail betting.

The workflow is optimised for speed at point of sale using both mark-sense and plain slips (with a second phase of operator translation during idle time).

GTECH G2 has EPoS solutions in place for both large chains and small independent bookmakers.

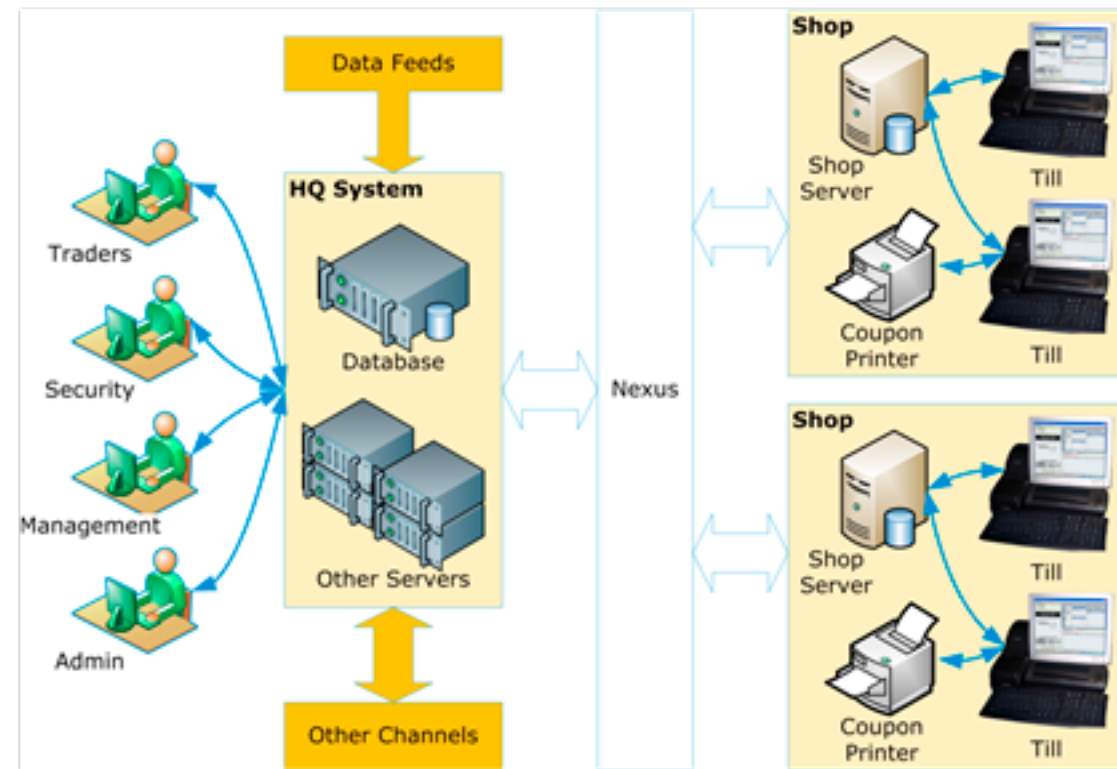
All GTECH G2 systems are fully integrated, so EPoS forms a natural part of a Multi-channel MarginMaker™ system.

### Key Features

Flexible client hardware can be sourced directly by the client.

Optimised proprietary middleware ("Nexus") operates over TCP/IP WAN or Satellite.

Full user security access control with multiple fine-grained privileges.



### Optimised Workflow

Automated cross-shop payout is handled completely within system – there is no need for a phone call.

EPoS supports full mark-sense OMR, Bar-coded slips for partial recognition and region extraction, and translation of plain slips.

Slip translation supports multiple modes according to product type with quick race-by-race modes, multiple searches and suggested bet types (by total stake).

EPoS also supports local reporting and cash reconciliation.

Support for Monitored Customers (with reporting).

### Headquarters

The Headquarters (HQ) installation is used to:

- Manage betting opportunities in the estate, including creation (manually or from a data feed), prices and results.
- Manage Risk – all data is transferred to HQ in real-time, where it is analysed with the market-leading MarginMaker™ risk engine. Risk from EPoS may be consolidated with other channels.
- Manage estate security
- Review profitability and other trading figures
- The MarginMaker™ HQ may also act as a telephone or internet betting system, or the HQ for World\*Till retail terminals and SST's. All channels are fully integrated.
- The Special Offer Manager application can create custom special offers and completely configurable reward schemas, and publish them to configurable groups of shops.
- Applications can be accessed from any workstation within the headquarters' network, or remotely using remote desktop (e.g. from a hosted data centre)

### Pool Betting

EPoS is fully integrated with the Tote Pools gateway. It supports acceptance of all popular Tote bet types via Mark Sense tickets into a range of international pools.

It is possible to view the Tote offers on screen:

- Results
- Pool dividends
- Running-On money

## Mark Sense

EPoS supports a full range of Mark Sense, including:

- Numbers Betting tickets
- Feature Race tickets
- Full range of Football Coupons

Coupons can be designed in-house with the Coupon Builder application. This uses templates to build full OMR and partial mark sense coupons, populated with the markets in the central HQ system.

Once designed, coupons may be either exported in high-resolution format for commercial printing and distribution or sent to be printed locally in-shop. This means coupons will never run out, there is less wastage, and prices can be easily updated during the lifetime of the coupon.

## Shop Security

Shop security for all sites is managed from the Headquarters in real time.

Shop users have configurable rights; access to many parts of the EPoS system can be restricted or allowed by roles and permissions.

The exception based shop security features over 70 configurable exceptions. The exception subsystem features:

- All exceptions are generated and auditable in real-time
- Audit profiles – different security thresholds may be configured per shop or shop group
- Flexible thresholds for late bets (including an off-delay table based on race distance)
- A flexible slip and exception search engine, which allows the user to create and re-use favourite searches
- Printable security exception reports
- Export for email to remote security auditors

## STOS

EPoS is integrated and coordinated with STOS Studio, GTECH G2's screen display system.

STOS can run directly from the EPoS shop server, so installing STOS in an EPoS site requires very little additional hardware or HQ to shop network overhead.

## Fixed Odds Sportsbook

### What is MarginMaker™?

MarginMaker™ is GTECH G2's suite of betting components. At the heart of MarginMaker™ is the market-leading Fixed Odds Sportsbook.

This consists of a trading engine and a full suite of Risk and general management tools.

### Why MarginMaker™?

Sports betting is the largest revenue earner in the interactive space – and still growing. In highly competitive and open markets, such as the UK, sports betting participation by the population is only exceeded by the National Lottery – proving its intense popularity.

The nature of betting, which implies a sense of knowledge, influence and choice by the player in the overall wager, is complimentary to games of chance in a portfolio.

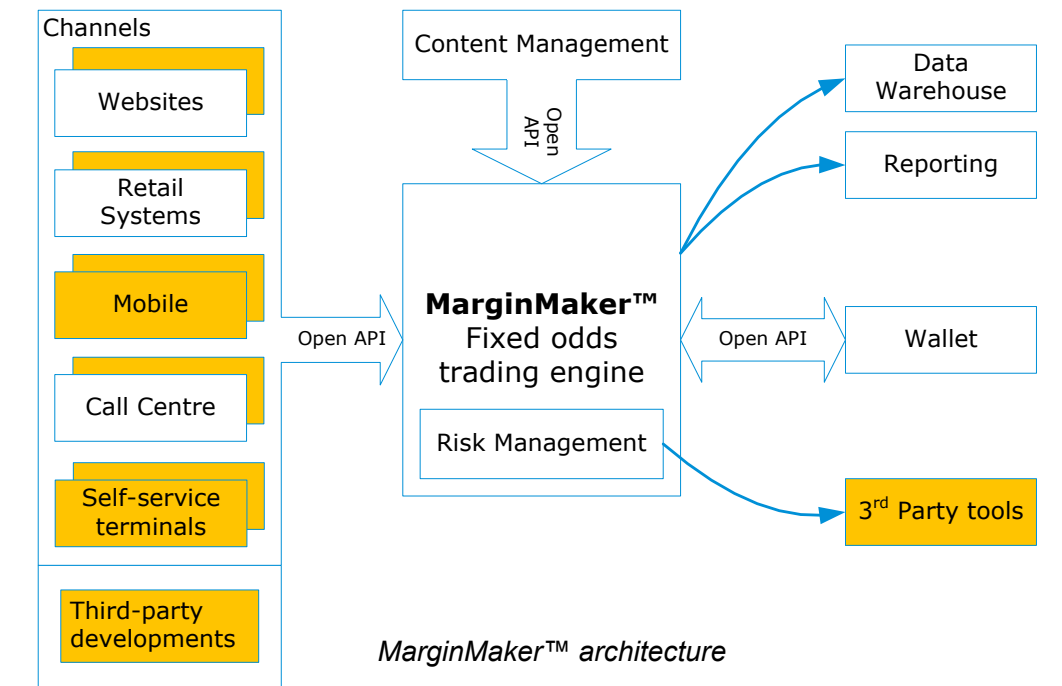
In order to maximise the benefit from this profitable opportunity, traders need advanced and powerful tools – and the tools provided with MarginMaker™ are unmatched in the industry.

## Key Features

### Full Coverage

Any sport, any product type, any channel and full integration across all channels.

- Call-Centre
- Internet
- Mobile
- Retail
- Self-service terminal
- Third-party developed channels



#### Risk and Liability Control

MarginMaker has a unique three tier process. This allows “in stream” auto trading capabilities to reduce your liability exposure and provide tighter pricing control.

#### Live, In-Running Betting

This unrivalled in-running trading interface means you can manage live markets and respond immediately to events already in play. Fast real-time settlement allows customers to quickly re-invest any winnings.

#### High Performance and Scalability

GTECH G2 has designed a system for its customers that is scalable, high performing and reliable. Our customers and by extension, their players are seeing the results of this consistent performance and high volume transaction processing capability.

For example, our retail systems successfully handled over four million individual sports betting wagers on one single event with fully managed risk, security, and optimal profitability.

#### Flexible and modular

- Fixed Odds Sportsbook slots into full suite of MarginMaker™ components.
- Wide range of open application integration points, including transactions, content and risk management
- External Payment processing system – either MarginMaker™ Shared Wallet, GMS or 3rd party wallet.

#### Fully configurable

The complete product range is configured within the Framework application. The system can be configured in a number of ways including:

- Product types
- Odds
- Language
- Branding
- Currency
- Alerts
- Bet types

#### Outlook

The product is constantly evolving. Some of the features being planned for future implementation include:

#### Key Features

- Risk awareness for combos/units - a new risk management tool that will work-out and present “risky combinations” based on both their potential return and probability.
- Support for accumulated perms - a feature for assembling bets by splitting chosen selections into groups and then specifying the “perm” required for each group.
- Domain pricing capability - differential regional pricing margin from one central system and with distributed silo architecture.
- New Special Offer application to address multiple requests for new offer reward types.
- Distributed MM “silo” architecture –regional MM silos operated off single point of entry for events management and centralised consolidated risk monitoring.
- Cross-book open positions monitoring - offers risk managers visibility of the positions across markets/books in the event.
- Bet referral – the option for manual authorisation is added within the bet capture path.
- Hotpicks – an additional risk management utility enabling traders to visualise what-if scenarios.
- Money Shifting (conditional Any To Come) – the ability to define bets that only apply when the stake is taken from the winnings of a previous bet.
- Auto-hedging –the capability for the system to hedge automatically in the designated “liquidity system” (as in bet exchange or other bookmaker).
- Mythical match-ups – a betting product allowing Players to bet on “mythical” match-ups – whatever the real events are, e.g. players can bet for Real to beat Barcelona every week although they don’t play each other.

## MarginMaker

### What is MarginMaker™?

MarginMaker™ is GTECH G2's suite of betting engines and associated support modules.

The MarginMaker™ family consists of the following:

#### Fixed Odds

The industry leading core sports betting engine used by the majority of MarginMaker™ customers. It consists of a trading engine and a full suite of Risk and general management tools.

#### Pools Engine

Pools Engine™ is Finsoft new versatile and flexible gaming solution which allows operators to create, maintain and manage pool betting in alignment with their existing product suite, providing for increased income combined with low cost maintenance.

#### Shared Wallet

cross-product customer wallet, offering open API's to G2 and third party gaming systems.

#### DGE Adapter

Gateway for Draw-Games (lottery) transactions to GTECH hosts.

#### E-Venue

GTECH G2's event data management system. It accepts feeds from multiple commercial providers as well as manual input, enriches the feeds and passes them on to downstream systems in a consistent data format.

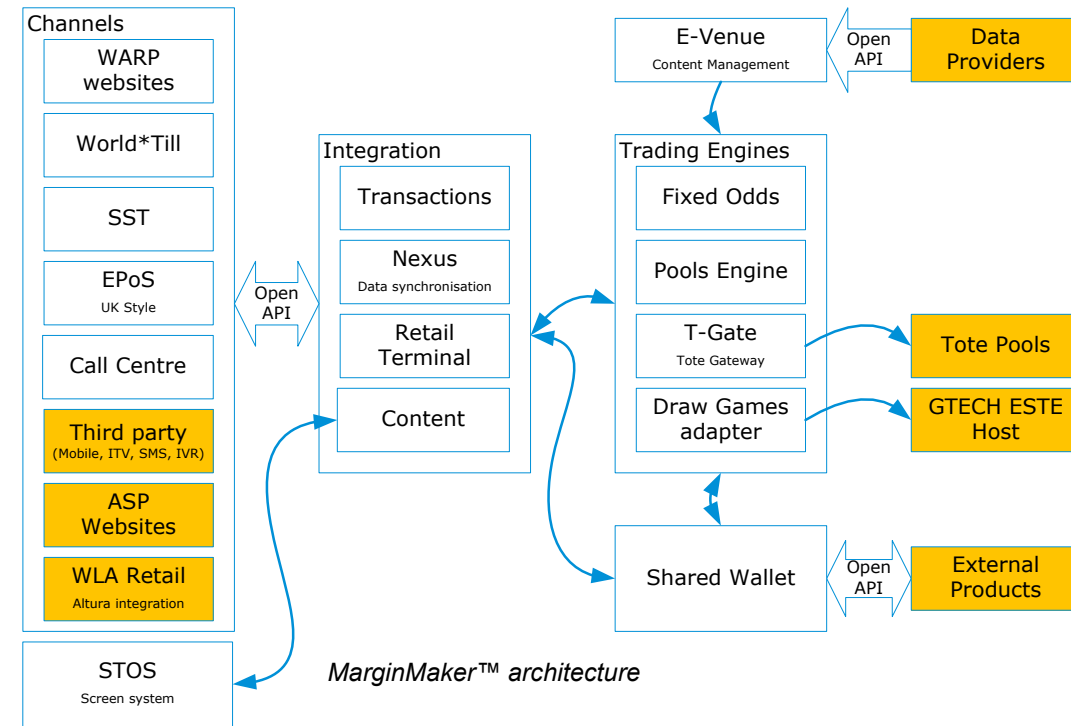
#### STOS

"Stream To Screen" is GTECH G2's customer information display system. It supports very lightweight digital signage as well as cost-effective time-critical information and video presentation screens.

#### Web Channel

Includes WARP - Our leading-edge real time (AJAX) infrastructure that uses components that will display changing information without the requirement to refresh the whole page.

The web channel also includes Portal 42 – which uses the same infrastructure optimised for Poker, Bingo and Casino as well as sports betting.



It scales effortlessly to support all from the smallest to the largest sites, and PRISM, our customer driven layout tool which allows clients to refresh the look and functionality of the site without development.

#### World\*Till

An online retail cash-based application featuring call-over and mark-sense. It supports a flexible set of hardware components and an architecture designed to support large estates and diverse regulatory requirements.

The World\*Till sub-system benefits from low infrastructure and maintenance costs, automatic risk control and tighter security, therefore providing new business opportunities for franchise shops and mobile outlets.

#### SST

Self-service terminals support cash and account betting with a friendly customer interface and lightweight data requirements for ease of deployment.

#### EPoS

A UK Style cash-based application featuring two-phase image capture and translation and full and partial mark-sense. It has a distributed "stand-alone" architecture and real-time centralised alerting.

#### Call Centre

A powerful and fast account based capture system.

#### WLA retail integration

MarginMaker™ betting products are also available through a module fully integrated with GTECH's Altura retail terminals.

#### SMS, IVR, Mobile, IPTV

The open API for content and transactions has already been used by a number of 3rd party specialists to produce betting components on a range of channels.

### Why MarginMaker™?

MarginMaker™ uniquely supports fixed odds, pools and spread betting on any sport, across all channels (Call-Centre, Internet, Mobile and Retail) and for any business model (betting, gaming exchanges) – giving you the ultimate flexibility to tailor your sports betting proposition to your specific market and player requirements.

- Risk and Liability Control
- Live, In-Running Betting for Betting During an Event
- High Performance and Scalability

#### Shared Wallet

Another large advantage of GTECH G2's MarginMaker2 offering is the shared wallet accounting engine, in which a player maintains one single account from which he or she can place bets on multiple and varied events. It is ideal for medium to large operators that require 24x7 availability, easy third-party integration and a highly flexible and configurable infrastructure

- Configurable customer account sets
- Credit control mechanisms including account balance control, credit limit and funds locking
- Configurable transacting limits including self-imposed limits for socially responsible betting
- Configurable security models to allow partitioning of customer and/or internal accounts

#### Flexible and modular

The modular approach to MarginMaker™ architecture with open APIs allows clients to fit components to their own architecture. So whether you are looking for a complete one-stop solution to all your betting solutions, or you are looking to integrate new functionality to an existing operation, MarginMaker™ is an ideal solution.

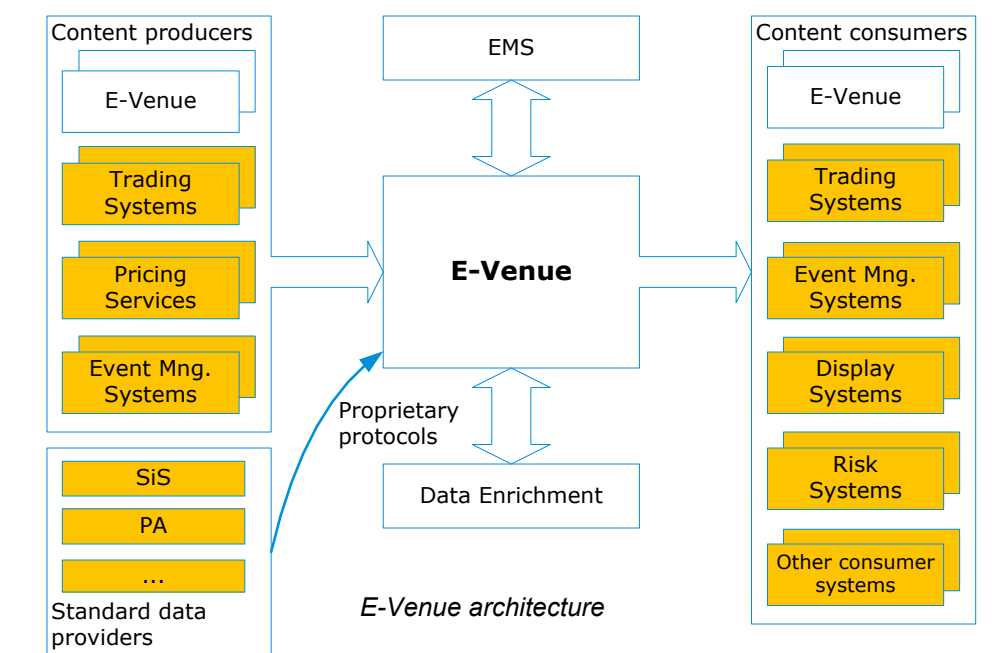
## E-Venue

### What is E-Venue?

E-Venue is GTECH G2's event data management system. It accepts feeds from multiple commercial providers as well as manual input, enriches the feeds and passes them on to downstream systems in a consistent data format.

The system manages the complete lifecycle of data, from initial setup through pre-off (open/close, trading, prices and will-pays), in-running (match events, live prices, match facts) to full resulting.

E-Venue deals with all sports data; not only Fixed Odds but also Pools betting (including multi-market pools such as placepots and pick 6) and non-betting information.



### What is E-Venue?

By separating the provision and management of data from the trading engine, E-Venue enables enterprise-wide Sports event data management.

Any system relying on event data (trading, risk management, display systems, live scores, etc.) benefit from a single coordinated and synchronised

source of data. Multiple instances of downstream systems are supported, for example where legislation or logistics require local installations several geographically separate trading systems can be fed from a single E-Venue hub.

As new data sources are added, the integration is performed once, and the Consistent Data Schema ensures all downstream systems benefit from this new source without further modification.

### Key Features

By separating the provision and management of data from the trading engine, E-Venue enables enterprise-wide Sports event data management.

- Large and increasing number of industry standard feed adapters.
- Single data entry point for all downstream systems.
- Manage heterogeneous systems – feed multiple trading, risk management, live scores or customer display systems from any supplier.
- Manage geographically distributed estates.
- No limit on types of sports or nature of data supported.

## EMS

E-Venue Management System is the manual input and management facility for E-Venue. It allows for full entry of all data, as well as enrichment and management of feed data.

Data may be managed not only by sport, competition or venue but also by provider.

Data is structured in a hierarchical manner allowing for simple navigation through a large quantity of data.

## Data Enrichment

Data enrichment involves adding extra value content to data. Diverse providers of different data, each a specialist in its niche area, can all feed into a single consolidated data store to provide a rich event data source to downstream systems.

For example, Horse racing fixtures feeds typically including runners and prices; these can be enriched by combining them with another provider's feed which does not contain prices but does contain jockey silks' colours.

## Derivatives

A key initiative within data enrichment is the new derivatives engine. This takes base market data and other match facts and, in real time, manages the prices, status and results of a complete range of derived markets.

Organisations using derivatives engines are able to offer a much larger range of markets on an event without a corresponding increase in the overhead of additional traders.

Types of markets supported are fully configurable but include:

- Correct score betting
- Outcome of nth instance, e.g. who will win the 5th game in the set?
- Double chance
- Time band betting

## Feed Services

The following third party feeds are already available:

- Betradar fixtures and live odds
- Betgenius
- Botsphere
- SiS SDF (Sports Data) lite and full (inc. Virtual and numbers)

- Inspired Gaming Virtual feed

- Super Soccer

- Enetpulse fixtures

- Running Ball

- Tipex

- Open Tote

- GBE BetDaq

- Heron Solutions

- Touchbet

- SPIN data service

- Sports Options

- PA horse racing, virtual horse and greyhounds racing (TurfTV data included)

New feeds are being added all the time; all E-Venue users can potentially benefit from our ongoing feed integration programme. Coming soon

- Betradar Live scores

## Product outlook

The E-Venue product is constantly evolving. Some of the features being planned for future implementation include:

- Continuing programme of new data providers

- Advanced Data ownership – introduce advanced permissions scheme for users on various functions across classes and sources of data

- Translations / Internationalisation support

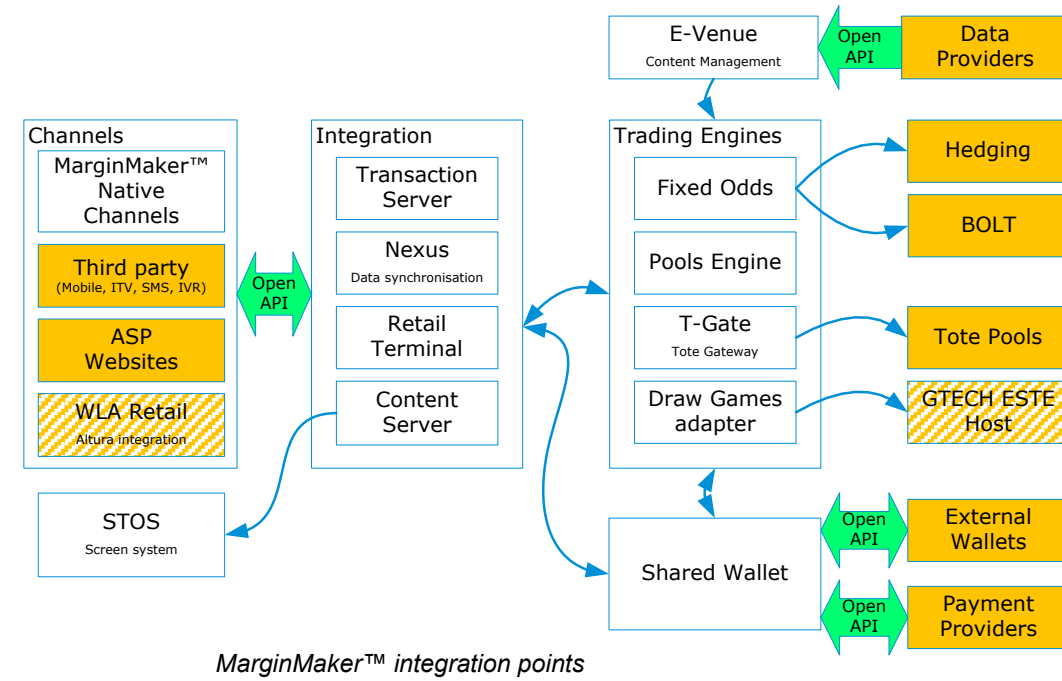
## MarginMaker Integrations

### Integrations

The MarginMaker™ system from GTECH G2 is the leading open system on the market, with numerous integrations to other systems both within the Lottomatica group and externally.

MarginMaker™ has been designed from the start for integrations and many of the integration points are used internally between applications within the MarginMaker™ suite.

MarginMaker™ is ideal for deployment into heterogeneous environments from multiple suppliers allowing customers to avoid vendor tie-in and leverage existing or legacy installations. Open and published API's are also of great use to organisations with significant in-house development capability, where clients can take ownership of the system and develop add-ons according to their own schedules.



### Trading Systems

#### ESTE (Draw Games Adapter)

This integration is to the GTECH ES Series host, allowing MarginMaker™ channels (such as WARP or Portal42) to accept lottery transactions direct into the lottery host.

#### Altura Terminal

A Sports Betting module has been developed for the GTECH Altura terminal (using the associated existing infrastructure), allowing a single point of sale to accept lottery, Sports betting and other transactions which are then passed to the relevant back-end system.

#### T-Gate

T-Gate provides a link to third-party pool betting systems, primarily through the i-neda interface. This allows side-by-side fixed odds and pool betting into existing pools within MarginMaker™.

The interface provides a feed of events, markets and projected dividends (“will-pays”) as well as placing transactions.

### Hedging

As an example of the flexibility possible with MarginMaker™, we have developed a transaction interface to Touchbet and Betdaq. Driven by configurable rules, bets attempted against MarginMaker™ are automatically hedged back-to-back into the third party's own systems.

### BOLT

BOLT (Betting Operations Liability Toolbox) from Neurosoft S.A. is a Business Intelligence solution providing liability monitoring to sports betting organizations. Based on specially designed technological architecture and complex algorithms, it provides real time accurate liability measuring and visual analysis through its 2D and 3D graphical user interface.

All betting transactions taken through MarginMaker™ may be fed through to BOLT for additional real-time liability monitoring tools.

### Data Feeds

E-Venue is GTECH G2's event data management system. It accepts feeds from multiple commercial providers, allows their aggregation and enhancement, and then passes them on to downstream systems, including the rest of the MarginMaker™ suite. Numerous data feed providers are already integrated, and more are being added all the time.

### Wallet

Shared Wallet is the wallet subsystem of the GTECH G2's MarginMaker™ suite. It is a subsystem for managing player accounts, integrating to gaming systems for transactions, implementing payments processing.

Numerous integrations have already been performed with other gaming systems (for single player wallet management) and commercial payment providers.

### Integration Points

In addition to the specific integrations listed above, our open Web technologies allow for simple integration with specific or complex function third party web services, such as:

- Channel-specific (e.g. Mobile) trading applications
- Price reporting or odds comparison sites
- In-house web presentation layers

### Content Server

Content server provides a managed and structured feed of betting reference data published from within MarginMaker™. It uses industry standard Web technologies (XML over HTTP) to make this content available to any subscriber.

New content documents can easily be added to provide the data needed by any external subscriber.

This interface is also used internally by WARP and STOS systems.

### Transaction Server

Transaction Server provides a well-documented API for managing all aspects of transaction management with the MarginMaker™ engine and wallet:

- Login and session management
- Customer and account details
- Financial Journals and other transaction placing and enquiry
- Betting transactions

Available through standard web (SOAP) and other channels (e.g. .NET assemblies) it is used by many third parties for offering seamless integration through new channels.

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#### Pools Engine

Pools Engine™ is Finsoft new versatile and flexible gaming solution which allows operators to create, maintain and manage pool betting in alignment with their existing product suite, providing for increased income combined with low cost maintenance.

#### Transaction ServerT-Gate

Online gateway to a range of international betting pool providers.

#### GMS

cross-product customer wallet, offering open API's to G2 and third party gaming systems.

#### One Pay

G2's open gateway and infrastructure for integrating Payment service providers.

#### DGE Adapter

Gateway for Draw-Games (lottery) transactions to GTECH hosts.

#### E-Venue

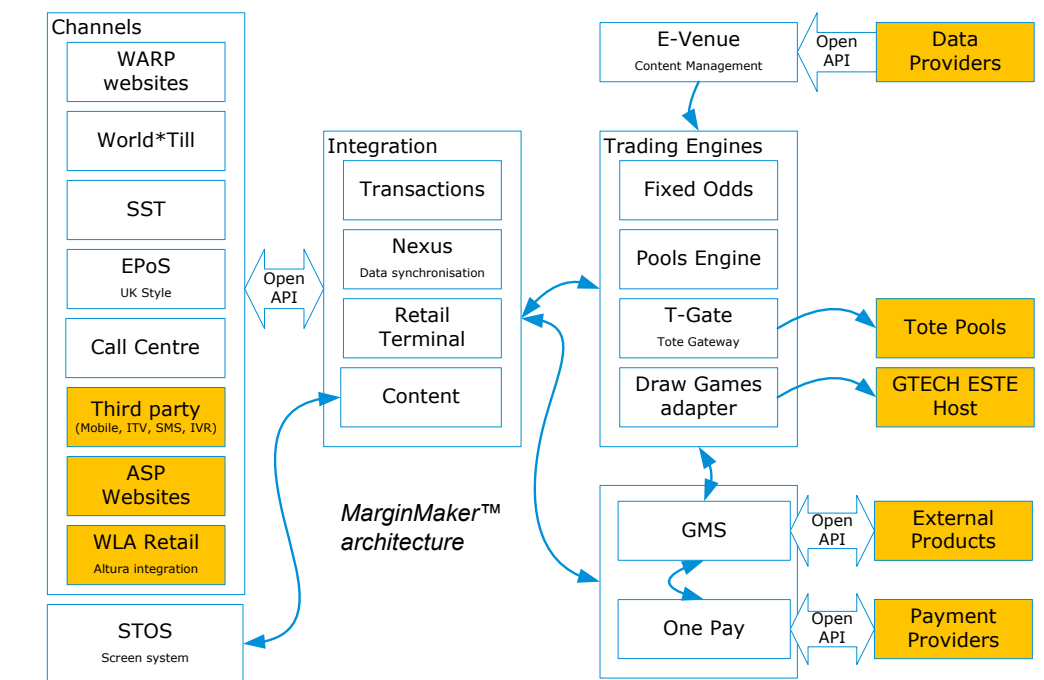
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Includes WARP - Our leading-edge real time (AJAX) infrastructure that uses components that will display changing information without the requirement to refresh the whole page.



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- Risk and Liability Control

- Live, In-Running Betting for Betting During an Event

- High Performance and Scalability

#### GMS

Another large advantage of GTECH G2’s MarginMaker2 offering is the GMS accounting engine, in which a player maintains one single account from which he or she can place bets on multiple and varied events. It is ideal for medium to large operators that require 24x7 availability, easy third-party integration and a highly flexible and configurable infrastructure

- Configurable customer account sets

- Credit control mechanisms including account balance control, credit limit and funds locking

- Configurable transacting limits including self-imposed limits for socially responsible betting

- Configurable security models to allow partitioning of customer and/or internal accounts

- Integrates with OnePay, G2’s open payment provider infrastructure

#### Flexible and modular

The modular approach to MarginMaker™ architecture with open APIs allows clients to fit components to their own architecture. So whether you are looking for a complete one-stop solution to all your betting solutions, or you are looking to integrate new functionality to an existing operation, MarginMaker™ is an ideal solution.

## Pools Engine

### What is Pools Engine?

Pools Engine™ is GTECH G2's versatile and flexible gaming solution which allows operators to create, maintain and manage pool betting in alignment with their existing product suite, providing for increased income combined with low cost maintenance.

### Why Pools Engine?

Pools engine offers a risk-free alternative to Fixed odds betting and is an ideal complement to it in a full product portfolio, or when regional legislation requires it.

Pools Engine is fully integrated with other MarginMaker™ products or can easily be integrated with the operator's own solutions.

Pools Engine provides the capabilities for creating competitive pool products for a modern competitive betting market, such as sports, draw and fantasy games.

### Key features

#### Easy to Use

It is easier to use because Pools Engine employs provides a sophisticated graphical user interface for monitoring and controlling all aspects of its operation.

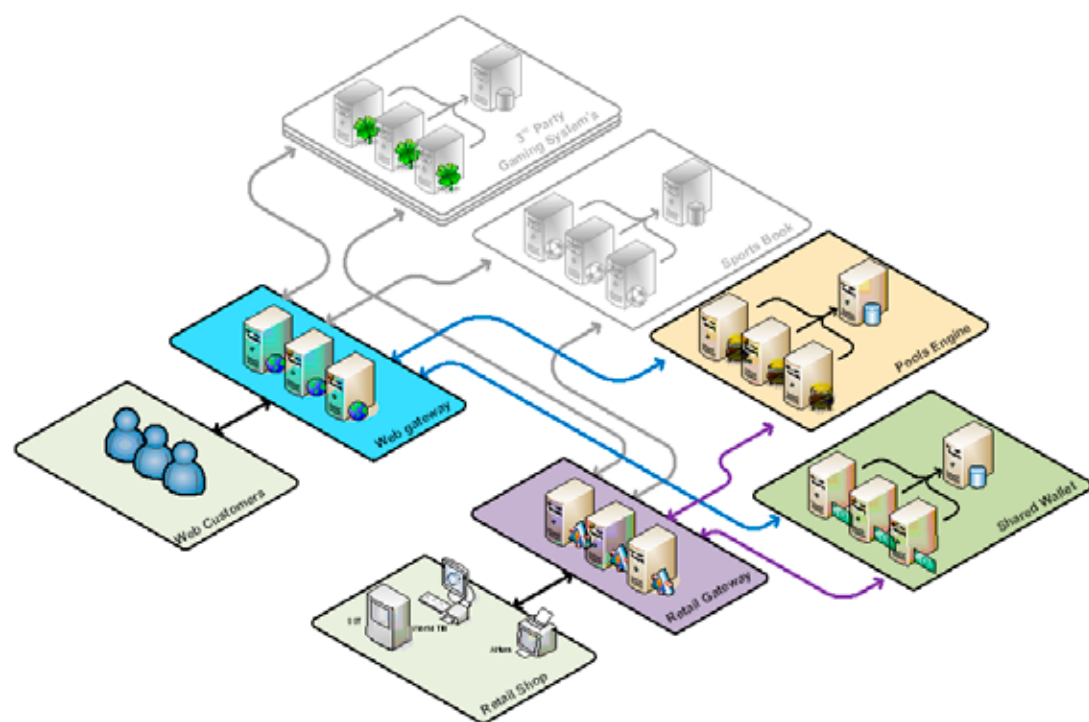
#### Multiple Pools

Pools Engine can manage multiple pools on a single event. Pools Engine accommodates what happens in the real world: it lets the operator open and close pools as an event unfolds in real time, for example before and after each round in a golf tournament, before and after qualifying in the F1, at various stages in the Tour de France.

It also lets an operator add and remove participants at any stage in real time.

#### Unlimited Participants

Pools Engine allows an unlimited number of participants. Most other Tote systems have been custom built for racing and are usually limited to between 16 and 24 runners.



Because of this “unlimited participants” capability, GTECH G2's Pools Engine enables pari-mutuel wagering for sports and events previously only available via fixed odds operators or betting exchanges.

For example, with Pools Engine an operator can offer a multitude of pool bet types on, say, the Tour de France or the U.S. Open Golf, various pari-mutuel pools opportunities for the World Cup, various exotic bet types for Formula 1, Rugby, TV Shows, Events etc.

#### Wide Range of Bet Types

Pools Engine offers a highly flexible tool set that can create an even greater range of combination and permutations of bet types. This includes all of the traditional racing bet types, plus those created from an operators own designs and requirements.

Pools Engine also allows operators to vary the way commissions are calculated and taken from the pool for various bet types. Because of the modular design of the software, new bet types can be easily created and added to the system.

#### Comprehensive Records

Since Pools Engine retains all transactions, it enables an operator to establish how many times and under what circumstances a player has participated in each and every pool. This lets operators observe and analyse player behaviour and reward accordingly. This helps build brand recognition and differentiates the product.

These same facilities underpin the built-in player discipline and protection safeguards that are designed to ensure responsible gaming.

#### More Information Available for Customers

Pools Engine lets a customer access betting information at unprecedented level of details. While betting is taking place, customers can see progressive dividends for any bet type including all traditional multi-dimensional pools. For multi-dimensional pools and lottery style pools, customers can see exactly what the dividend or first division prize will be if their wager is successful.

Pools Engine also provides the widest range of betting trend displays, which are accessible via the internet, on GTECH G2's new cutting edge screen display technology STOS or indeed via more conventional point of sale display systems.

#### GTECH G2 Product Philosophy

As with all GTECH G2 products, Pools engine is implemented with key features of G2's product philosophy

#### Multilingual and Multi-currency

Pools Engine is a solution that is multi-faceted in terms of supporting multiple currencies and languages. Pools Engine handles all Western European and all Asian languages.

#### Open Integration

Pools Engine has been designed with appropriate APIs in place that allow operators to easily integrate to their existing systems. GTECH G2 provides several types of integration that caters for all the different needs of third party integrators.

#### Multichannel

Pools Engine supports customer interaction through the internet, point of sale terminals, self-service terminals, telephone call centres and mobile internet. It handles both cash and account-based transactions.

## Shared Wallet

### What is Shared Wallet?

Shared Wallet (ShW) is the wallet subsystem of the GTECH G2's MarginMaker™ suite.

ShW is a subsystem for managing player accounts, integrating to gaming systems for transactions, implementing payments processing.

It features promotions management, business configuration and performance/financial reporting.

### Key Features

#### Infrastructure

- Full multi-currency
- Partners/salespoints system supporting white labelling schemes, including separate accounts sets and multiple domains of usernames.
- Template-based customer notifications by web, email, SMS or even paper/post
- Email / SMS operator alerts
- Authentication and access control
- Certified for National Regulations, e.g. France and Spain

#### Player account management

MarginMaker™ betting products are also available through a module fully integrated with GTECH's Altura retail terminals.

- Customer details maintenance
- Modular identity verification architecture (192.com, NetIDMe, URU, eID cards e.g. Belgian eID) and support for manual or PIN-based verification
- Fund locks for cleaner and more meaningful accounting records
- Limiting withdrawal of deposits never used for play for fighting commission fraud
- Non-verified account deposit/withdrawal limits
- Responsible gaming limits
- Responsible gaming self-exclusions

- Winner tiers processing
- Negative balance and tracking and writing off of bad debt
- Credit limit with tracking of aged debt and debt classification
- Settlement schemas that include overnight withdrawals and top-ups

#### Gaming system Integration

##### Simple journals mode

Simple “post credit/debit” style (e.g. for wallet transfers or external payment integrations):

- Transaction types configurable per trading system or per product
- Atomic check of availability of the balance but forcing negative balance available too as an option
- Check against transacting limits
- Passing reference and description of the transaction and up to 5 transaction amounts, interpreted depending of the transaction type

##### Generic bet journals model

“post credit/debit for a bet”, including all above plus passing bet ID, description and state with transaction to maintain “generic bets” and linked transactions

##### Invoice model

a sophisticated “cart” model for bets, allowing building front ends that can coordinate transactions between the wallet and a range of back-end trading systems

- Three phases of bet placement: calculate, prepare-and-lock and post
- Mapping product types to financial transaction types, so each game has its own transaction types.
- System exposes “a cart” (invoice) with one or many “items” (bets) that support external and internal promotions, responsible gaming play limits and self-exclusion and taxes/duties levied on stake and/or return.

#### Payment systems integrations

Many online payment systems have been integrated including (among others):

- Paypal
- Neteller
- myCitadel
- PaymentTrust
- Paypoint.net
- Ogone
- Webmoney
- Moneybookers
- Instadebit
- Click2pay
- DataCash
- Realex
- Wirecard
- Miscuentas

- SEPA XML credit transfer

- A range of proprietary or national standards of payment order and bank statement formats.

- Manual entry of transactions or API for custom integrations with 3rd party manual entry systems

Payment fraud screening systems have been implemented as e.g. Risk Guardian and BVerified.

#### Promotions

- Reward voucher
- Loyalty points' accrual and just-in-time conversion to vouchers
- "Happy hour" concept
- External promotions via "external voucher" and "external discount"
- "Promo events" enabling near-real-time processing of promotions-related event notifications
- "Built-in promotions" enables modular campaigns processing and rewarding vouchers

#### Reporting

Wallet is integrated with MarginMaker's Data Warehouse 3, feeding Data Marts:

- Financial transactions
- Payment transactions
- Audit events

Core reports include:

- Transacting summaries and summary opening/closing balances in the period
- Inventory of players - balances of player accounts on a given dateAccount statements
- Credit account reports

The system has been integrated with accounting packages including:

- SAP Financials
- Oracle Financials
- Sage Line 100

#### Scalable and reliable

GTECH G2 has designed a system for its customers that is scalable, high performing and reliable.

Our customers and by extension, their players are seeing the results of this consistent performance and high volume transaction processing capability.

#### Flexible and modular

- Shared Wallet slots into full suite of MarginMaker™ components.
- Wide range of open application integration points
- Possibility to slot into another wallet, and serve as the intermediate between MarginMaker and an external "master" wallet

## WARP

### What is WARP?

WARP is GTECH G2's component-based Web framework for dynamic and static content management and delivery of Sports Betting.

It was specially designed by GTECH G2 for use in the betting and gaming industry to meet the expectations and aspirations of our customers and to reap the benefits of the latest technology advances.

### Why WARP?

Customers are looking for a high performance Web solution that can provide a flexible way of changing the look and feel of their sites themselves, with a variable amount of GTECH G2 involvement. They want to achieve the highest possible degree of differentiation from their competitors whilst not losing the flexibility for controlled on-the-fly changes.

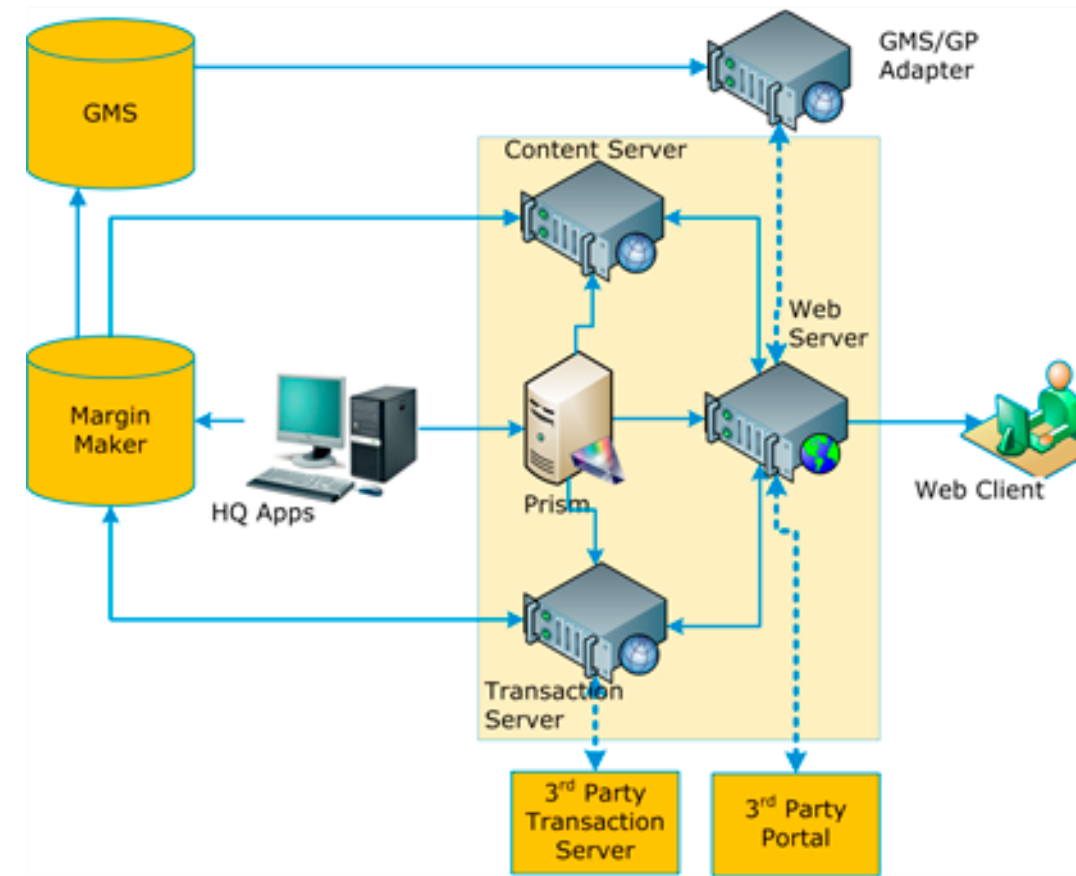
WARP was specifically designed to offer a rich and fast sports betting experience integrated seamlessly with other products from the G2 stable (Poker, Bingo, Casino, Gamesroom) or elsewhere.

### Key features

Flexible web branding and player-centric personalization, which means that our customers can easily differentiate their websites from that of their competitors.

The system is designed for very heavy load, high performance and scalability, featuring:

- Shifted processing to the browser
- Demand driven cache
- Very little dynamic processing on the server



### Lego®-like components

- Easy to customise and extend via Prism and SDK (Software development kit)
- Intended for G2 and 3rd party co-development

### PRISM: Portal Management

PRISM is the portal management tool, which allows a single point for management of:

- Dynamic content
- Static content
- Betting Content
- Component behaviours
- Page layouts
- Publishing
- Previewing
- Reviewing

Prism can manage multiple Websites, each with multiple instances of the site; ideal for clients that follow the White Label model. Role based security facilitates the need for partners who wish to change their sites contents and layout without having to rely upon the service provider.

An approval workflow process helps to control live site changes.

Versioning and comment driven change logs complement the features any CMS should offer.

### Product and Platform

WARP represents both a complete product and a platform for building.

The system is separated into two sets of modules; those which will change frequently (look-and-feel, user-facing components) and those which rarely change (business domain logic, transaction processing, raw data). These modules then communicate in a platform-independent way.

There is a standard set of components which make a default product, but it's easily extendible and can be significantly customised. Customisation can be performed either internally by GTECH G2 or through 3rd party development via a SDK.

### Integration Platform

WARP can act as an integration platform bringing together

- Sports betting
- Other G2 Web Components
- 3rd party trading products
- 3rd party Odds-checkers
- 3rd party web sites

It offers everything needed to support these integrations:

- Session transfer integration with the Portal
- Entire web layer implementation

### High-performance data cache

WARP features a file-based demand driven cache. This uses an industry standard HTTP interface, including full use of “not changed” responses to help optimise bandwidth usage.

The cache supports automatic cleanup and refreshing driven by:

- Time
- Event
- File
- Database changes

The content delivery system now also allows web servers to push static files to clients, boosting speed and performance. As all GTECH G2 products, it supports an open interface, making it easy to extend and integrate.

### Product Outlook

WARP is constantly evolving. Some of the features being planned for future implementation include:

- Ongoing load optimisations
- Integration into Push Technology’s Diffusion product
- Support for IIS 7
- Community features
- Load Testing

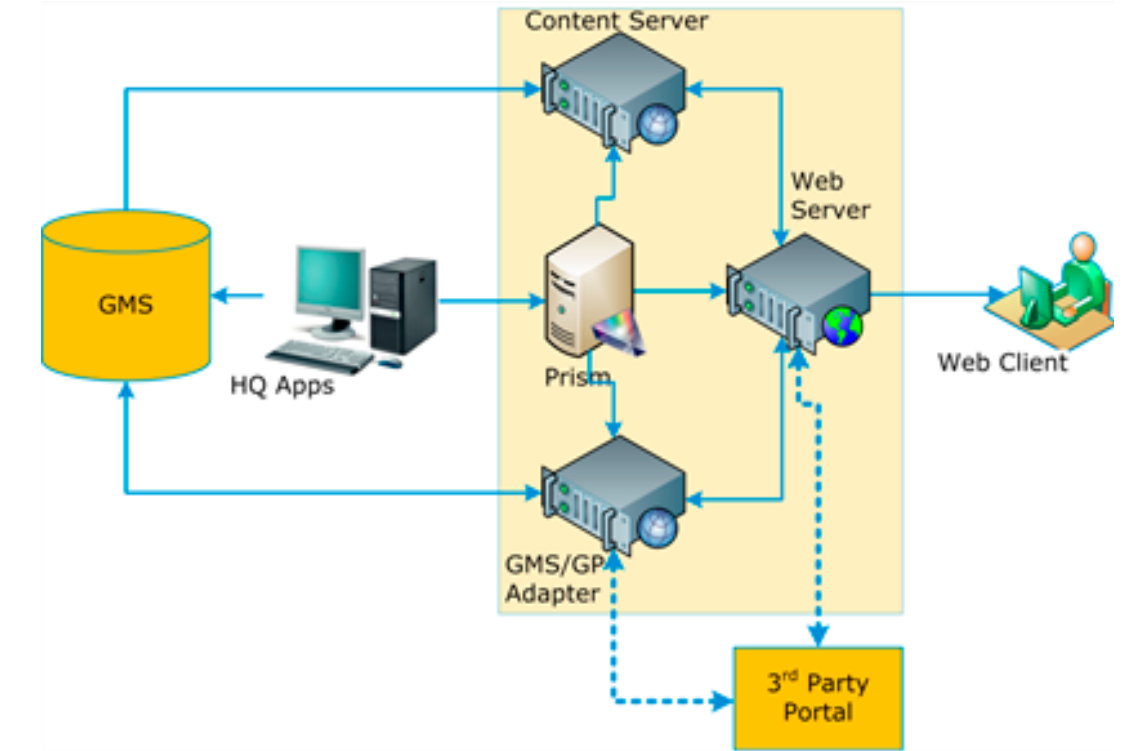
## Portal 42

### What is Portal 42?

Portal 42 is GTECH G2’s component-based Web framework for dynamic and static content management and delivery .

It was specially designed by GTECH G2 for use in the betting and gaming industry to meet the expectations and aspirations of our customers and to reap the benefits of the latest technology advances.

Portal 42 uses many of the same concepts and components of our innovative WARP system, but stands independently of the MarginMaker™ back office, making it suitable for sites without sports betting.



### Why Portal 42?

Customers are looking for a high performance Web solution that can provide a flexible way of changing the look and feel of their sites themselves, with a variable amount of GTECH G2 involvement. They want to achieve the highest possible degree of differentiation from their competitors whilst not losing the flexibility for controlled on-the-fly changes.

### Key features

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The system is designed for very heavy load, high performance and scalability, featuring:

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- Static content
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Prism can manage multiple Websites, each with multiple instances of the site; ideal for clients that follow the White Label model. Role based security facilitates the need for partners who wish to change their sites contents and layout without having to rely upon the service provider.

An approval workflow process helps to control live site changes.

Versioning and comment driven change logs complement the features any CMS should offer.

## Product and Platform

Portal 42 represents both a complete product and a platform for building.

The system is separated into two sets of modules; those which will change frequently (look-and-feel, user-facing components) and those which rarely change (business domain logic, transaction processing, raw data). These modules then communicate in a platform-independent way.

There is a standard set of components which make a default product, but it's easily extendible and can be significantly customised. Customisation can be performed either internally by GTECH G2 or through 3rd party development via a SDK.

## Integration Platform

Portal 42 can act as an integration platform bringing together

- G2 Web Components
- 3rd party trading products
- 3rd party web sites

It offers everything needed to support these integrations:

- Session transfer integration with the Portal
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The cache supports automatic cleanup and refreshing driven by:

- Time
- Event
- File
- Database changes

The content delivery system now also allows web servers to push static files to clients, boosting speed and performance. As all GTECH G2 products, it supports an open interface, making it easy to extend and integrate.

## Easy to Use

### Standard Customers

- Can create new Page Areas, and populate them with existing components.
- Can customise the parameters of existing components.
- Can Re-Skin vanilla Components
- Reliant on G2 for support and development of new Components

### SDK Customers

Can do everything Standard Customers can do, plus:

- Create new Components and Client Services. Training, SDK documentation and API's are provided
- Create new Page AreaTemplates
- Create new sites and designs

## STOS Studio

### What is STOS?

STOS is GTECH G2's innovative screen display system.

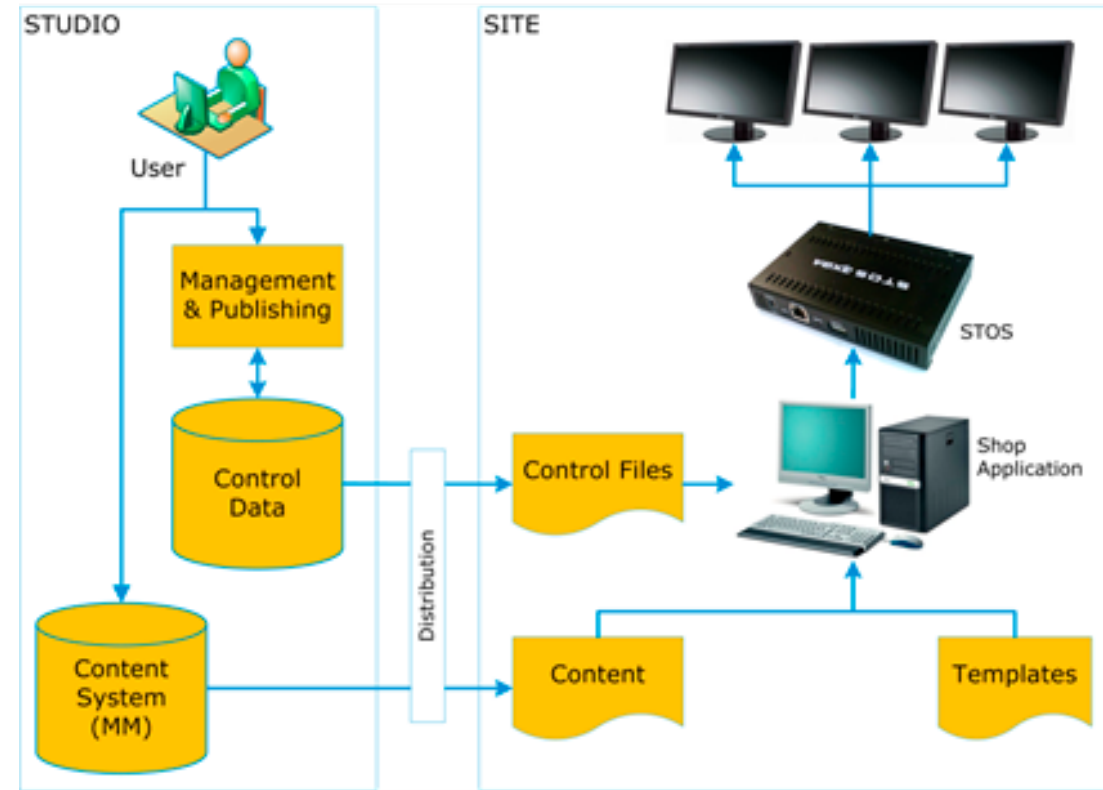
STOS Studio is the fully featured screen display system offering real-time customer facing display of sports betting and other information and marketing. GTECH G2 also offers STOS-DS - a lightweight and very low cost digital signage solution.

### STOS Components

The STOS Studio system consists of a central HQ system, fully integrated with Margin Maker, consisting of a control data store and set of management applications.

Each site has an application control PC (also acting as managers' monitor) controlling up to about 30 STOS units; each of which drives 3 screens.

Business content is delivered to the site, where it is rendered and displayed in real time.

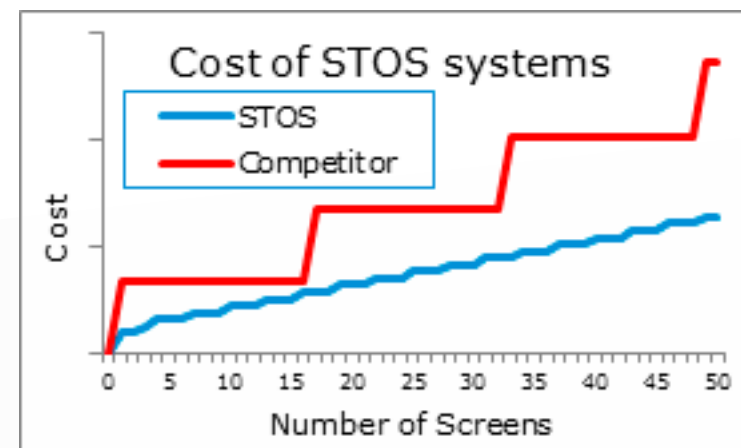


Distribution may be via existing Wide-area network, dedicated network or Satellite broadcast.

### Why STOS?

#### Cost-effective

- Modular, scalable architecture allows a flatter and smoother cost curve



- Small and large shops are particularly cost-effective
- Small robust units simplify shop fitting and engineering support

#### Powerful and Flexible

- Up to 100 screens
- Multiple "streams" on a single monitor
- Small units can be deployed anywhere

#### Powerful and Flexible

- Full MarginMaker™ integration of the studio eliminates re-keying; all information is automatically picked up. Stand-alone systems can benefit from the full range of E-Venue integrations
- Series or Wizards and automated scheduling minimise operational overheads
- Open XML format for templates allows in-house development, limited only by your imagination.

### Key Features

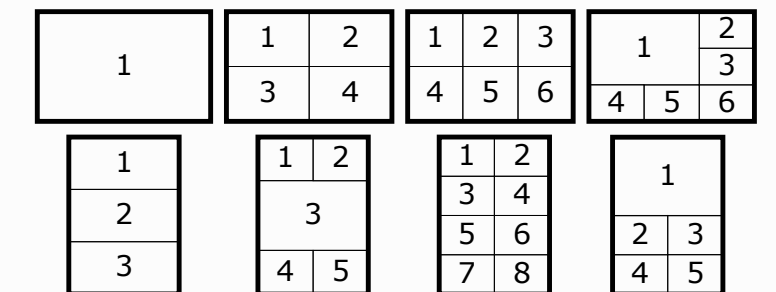
#### Video

Through the unique VAKO video capture device, video from any source (Satellite, terrestrial, DVD or other) can be routed to any screen onsite. Video can be full screen, video-in-window, video-in-video and video wall.

Devices (satellite decoders or any other remote controllable device) can be automatically switched under central control through the VAKO flylead.

#### Multi-screen

Any stream of content can be mapped to any physical screen, or any region on any screen. Multi-screen view allows for a single physical screen to display several streams of information, in a fully flexible layout.



#### HD Resolution

Each site has the possibility of two high-resolution screens, ideal for showing a large number of streams on a very large screen and keeping the picture extra sharp and clear.

#### Digital Signage

Flexible deployment allows easy positioning of shop window or other marketing displays. Poster-like templates allow for marketing with active content.

#### EPoS

STOS is integrated and coordinated with EPoS, GTECH G2's UK-Style retail system.

STOS can run directly from the EPoS shop server, so installing STOS in an EPoS site requires very little additional hardware or HQ to shop network overhead.



## World\*Till

### What is World\*Till?

World\*Till is GTECH G2's Centralised retail betting product.

### Why World\*Till?

Advances in communication technology and infrastructure make online centralised retail solutions the thing of the present. The World\*Till sub-system offers low infrastructure and maintenance costs, automatic risk control and tighter security.

It opens new business opportunities for franchise shops and mobile outlets.

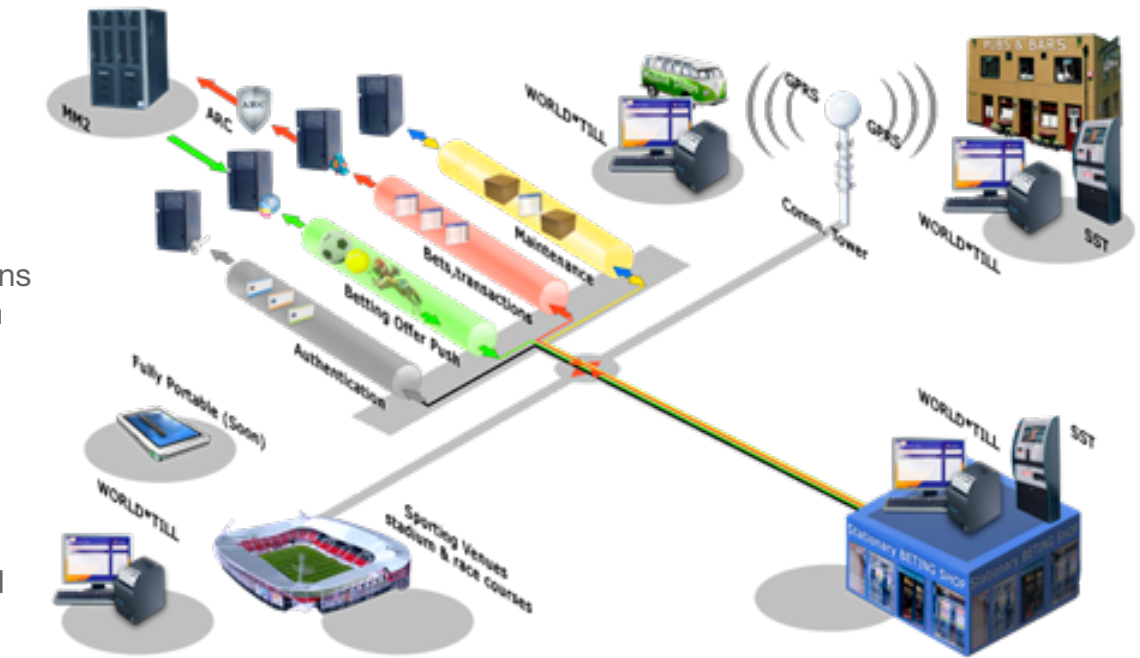
Other key features enabled by having a centralised system include

- Fiscal (external) Till integration
- Loyalty programmes
- SSTs extension
- Cross-shop operations
- Central translation
- Authorisation workflows involving central site users
- Reusing central site integration with other products

### Key Features

#### Low investment & maintenance costs

- Unique server side solution eliminates the need for shop servers.
- World\*Till's ability to work on "off the shelf" PC's, together with a wide range of POS devices, opens the opportunity for hardware and servicing to be obtained locally.
- Highly compressed, secure and bandwidth efficient data protocols allow it to operate over the lower grade public internet or mobile infrastructure, without the need for VPN or MPLS.



- Fully automated deployment process allows software upgrades and reconfiguration to be performed from the central location without assistance.

#### Real-time betting offer

A proprietary data delivery protocol ensures that requested data on the till is up-to-date at all times. Pushing only relevant data to particular tills, determined by either browsing or placing bets, results in fast and efficient data delivery. An additional benefit is that the amount of betting offers does not impact the network traffic between the tills and servers as traffic depends only on what customers ask for and bet on.

#### Tight Security

With its finely grained system of roles and privileges and optional smart cards it brings security to the whole new level – when smart card is pulled out of the device application automatically limits the available functionality.

Centralised architecture enables bet validation against the central system in times of placement vastly reducing the amount of security exceptions.

No locally stored data on the tills improves the system’s tampering resilience.

#### GUI optimized for fast bet capture

World\*Till GUI was designed on the premise that nothing beats a well trained operator using a keyboard. Therefore World\*Till is packed with keyboard shortcuts and everything possible with mouse can be done by keyboard as well. Having various entry options to hand, from drill down navigation and coded entry to 1x2 coupon style and index search, operators can achieve amazing speeds.

#### Attractive, customer friendly and brandable

The High-resolution Customer Monitor allows you to promote products and grab customer attention. It can improve the quality of service by displaying inquired prices, picked selections, potential winning break-downs and slip details. You can create your own Customer Monitor skins to match your company branding.

World\*Till offers full control over your receipt design and layout.

#### Open client-side architecture

Open client-side architecture allows 3rd party plug-in modules to be written.

Assembled from the “Hosting” component and a set of “Product” plug-in modules, this architecture splits responsibility so the “Hosting” component does common tasks like cash management, hardware communication and reporting and product modules display offers, sell bets and register cash operations. This allows World\*Till to have a single cash box while selling different products. Furthermore, general purpose 3rd party plug-in modules can also be used - a good example is the booklet printing module.

#### Product Outlook

The World\*Till product is constantly evolving. Some of the features being planned for future implementation include:

- Player identity cards and responsible gambling
- Advanced Loyalty support
- Monitored Customers
- Inline manual Bet Referral
- Full Windows 7 compliance
- Automatic list generator
- UK-Style EPOS coexistence
- Account Betting
- Pools engine plug-in