



# zedIT

SOLUTIONS

## *zed B1WebAPI Overview*

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zedIT Solutions Software Suite



## zed B1WebAPI Product Overview

### 1.1 What is the zed B1WebAPI?

**Framework** – The zed B1WebAPI is a framework for building custom Web applications that integrate seamlessly with SAP® Business One. Provides a robust REST based XML interface.

**Advanced Plumbing** - To move data between SAP® Business One and a Web application.

**Flexible, Configurable Interface** - Flexible, configurable and resilient to changes in functionality. User driven through queries and User Defined Fields in SAP® Business One.

**Low Cost of Ownership** - Does not require an SAP® Business One license to run functionality.

**No Synchronization** - Real time access to data via queries and the SAP® Business One SDK.

**Data Integrity** - Utilizes SAP® Business One APIs to ensure all business logic is followed. In addition, the zed B1WebAPI Integration Service ensures that transactions are not lost between SAP® Business One and the Web application.

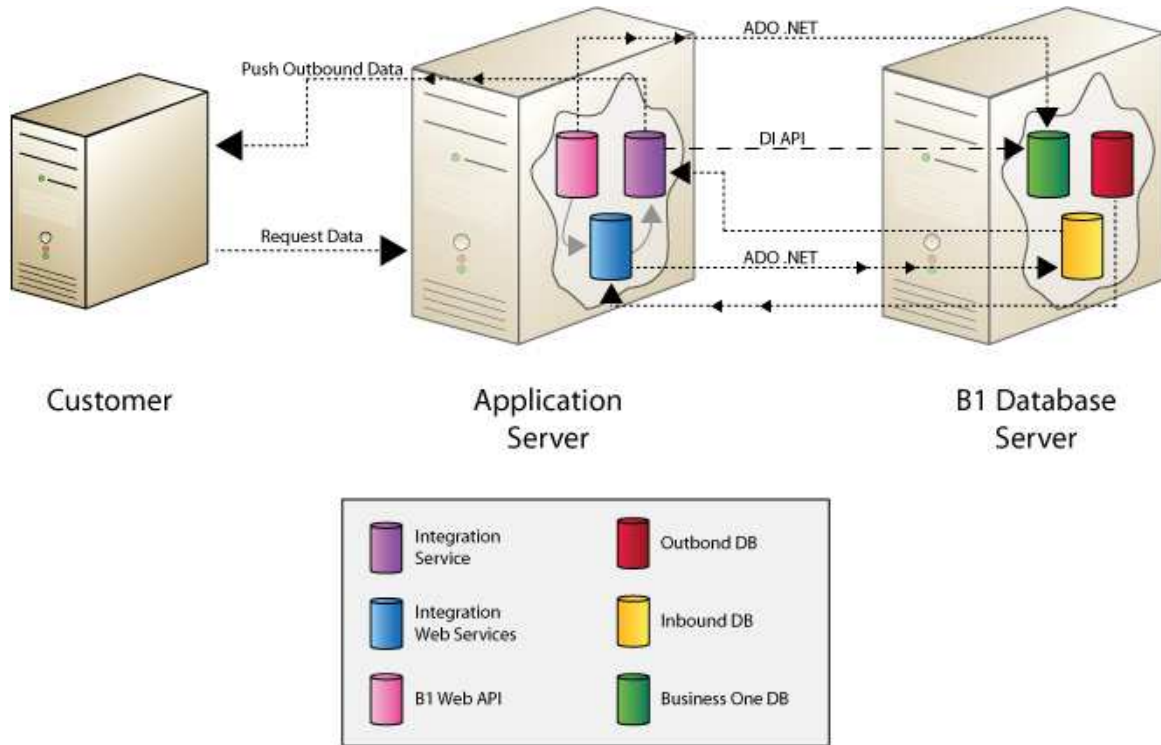
**Deployment Options** - Web applications can be hosted externally or internally.

### 1.2 Product Features

- Customer requests are enabled through simple XML data provisioned through REST based web services.
- Application Server never stores any financial information. All information is retrieved from the SAP® Business One database, as required by customer.
- Supports both real time and asynchronous communications with the SAP® Business One Database system.
- zed B1WebAPI creates/updates documents in SAP® Business One using the DI API provided by SAP based on the captured XML information.
- zed B1WebAPI Integration Service contains an Inbound/Outbound database that allows for manual intervention if required as specified by the application configuration.
- zed B1WebAPI Integration Service can push outbound data to Web application as required.

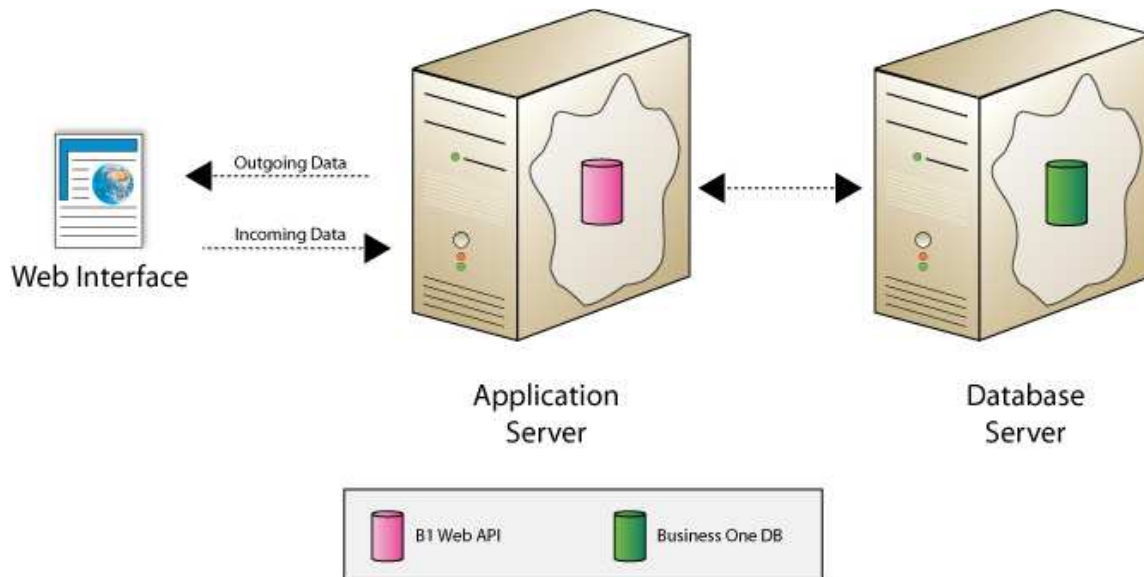
## Architecture and Technical Specifications

### 1.3 Integration Architecture



- Application Server runs IIS Web server and Microsoft.NET framework.
- Database Server runs SAP® Business One and SQL Server 2005.
- zed B1WebAPI platform is implemented to enable real time information retrieval from SAP® Business One using Microsoft.NET ADO record sets, queries and XML.
- zed B1WebAPI contains custom XML envelopes to encapsulate XML documents and query information into a standard, reusable structure.
- zed B1WebAPI Integration Service add-on installed as a Windows Service to allow for asynchronous communication with Business One via inbound/outbound queue.
- DI API is installed on Application Server to enable the zed B1WebAPI to communicate with SAP® Business One via standard SAP® Business One business logic.

## 1.4 Deployment Architecture



The **Web Interface** can be Internet Explorer, Firefox or just about any Internet enabled device.

The **Application Server** must be hosted internally on the same network as the SAP® Business One Server. Running on the application server is zed B1WebAPI and the DI-API used to communicate with SAP® Business One. zed B1WebAPI provides a foundation for extensive scalability and growth.

The **Database Server** is the SAP® Business One server.

## Appendix – Supported zed B1WebAPI Objects

The following is a list of SAP® Business One entities exposed through SAP's DI-API that are currently accessible through the zed B1WebAPI:

ChartOfAccounts	Warehouses	CorrectionInvoiceReversal
BusinessPartners	CommissionGroups	ContractTemplates
Banks	WorkOrders	EmployeesInfo
Items	CreditPaymentMethods	CustomerEquipmentCards
VatGroups	CreditCardPayments	WithholdingTaxCodes
PriceLists	AlternateCatNum	BillOfExchangeTransactions
SpecialPrices	Budget	KnowledgeBaseSolutions
ItemProperties	BudgetDistribution	ServiceContracts
Users	Messages	ServiceCalls
Invoices	BudgetScenarios	UserKeys
CreditNotes	SalesOpportunities	Queue
DeliveryNotes*	UserDefaultGroups	SalesForecast
Returns	SalesStages	Territories
Orders	ActivityTypes	Industries
PurchaseInvoices	ActivityLocations	ProductionOrders
PurchaseCreditNotes	Drafts	PackagesTypes
PurchaseDeliveryNotes	DeductionTaxHierarchies	UserObjectsMD
PurchaseReturns	DeductionTaxGroups	Teams
PurchaseOrders	AdditionalExpenses	Relationships
Quotations	SalesTaxAuthorities	UserPermissionTree
IncomingPayments	SalesTaxAuthoritiesTypes	ActivityStatus
JournalEntries	SalesTaxCodes	ChooseFromList
StockTakings	QueryCategories	FormattedSearches
Contacts	FactoringIndicators	Attachments2
CreditCards	PaymentsDrafts	UserLanguages
CurrencyCodes	AccountSegmentations	MultiLanguageTranslations
PaymentTermsTypes	AccountSegmentationCategories	DynamicSystemStrings
BankPages	WarehouseLocations	HouseBankAccounts
Manufacturers	Forms1099	BusinessPlaces
VendorPayments	InventoryCycles	LocalEra
LandedCostsCodes	WizardPaymentMethods	SalesTaxInvoice
ShippingTypes	BPPriorities	PurchaseTaxInvoice
LengthMeasures	DunningLetters	oRecordset
WeightMeasures	UserFields	oBridge
ItemGroups	UserTables	NotaFiscalUsage
SalesPersons	PickLists	NotaFiscalCFOP
CustomsGroups	PaymentRunExport	NotaFiscalCST
ChecksforPayment	UserQueries	ClosingDateProcedure
InventoryGenEntry	MaterialRevaluation	BusinessPartnerGroups
InventoryGenExit	CorrectionPurchaseInvoice	BPFiscalRegistryID
ProductTrees	CorrectionPurchaseInvoiceReversal	DownPayments
StockTransfer	CorrectionInvoice	PurchaseDownPayments