



BINARY TREE®

Powering Enterprise Transformations®

Power365® Platform Security

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Introduction

This document provides a brief overview of the key security considerations in the Power365® Platform that are designed to safeguard customers' sensitive information end-to-end in any Power365 project.

Overview of Power365 Platform Protections

Binary Tree is committed to delivering secure products and solutions. Power365 was designed with security as a *core requirement* at every step of the way. Some of the key security aspects of the Power365 platform include:

Microsoft 365 Connectivity and Authentication

Fully Encrypted Connectivity

Power365 connects to Office 365 using multiple protocols and APIs, all of which use certificate-based encryption to protect data in-transit. In addition, Binary Tree is certified with the EU-U.S. and Swiss-U.S. Privacy Shield Framework. The framework certification was designed by the U.S. Department of Commerce, and the European Commission and Swiss Administration, respectively, to provide companies on both sides of the Atlantic with a mechanism to comply with data protection requirements when transferring personal data from the European Union and Switzerland to the United States in support of transatlantic commerce. More information is provided below.

OAuth 2.0 Token-based App Authentication

Most Power365 functionality leverages token-based authentication to achieve its connectivity to Office 365, meaning credentials are not stored or transmitted between Power365 and Office 365.

OAuth 2.0 Token-based User Authentication

Power365 relies on OAuth tokens for all user activity, from logging in to Power365 to connecting Office 365 tenants to the system. Users log in directly to Office 365's Azure AD, with no credentials ever passing through Power365.

Integrated App Authentication with Microsoft 365

Microsoft 365 administrators enjoy an integrated authentication experience where you can move from the Power365 app portal to a Microsoft portal seamlessly, without multiple logins and passwords. All while keeping your account security under your organization's policies, rules and security protocols.

Multi-Factor Authentication (MFA)

With integrated app authentication, Power365 also supports MFA enabled users. If your organization leverages MFA within Microsoft 365 then Power365 is ready to provide an integrated login experience.

Managed Service Accounts

For advanced functionality, Power365 generates and manages a dedicated service account in each Microsoft 365 tenant. The account credentials are randomly-generated to be unique, highly complex and the password is encrypted at inception and never processed in its unencrypted form. In addition, encryption keys are randomized and never stored.

Mailbox Delegation

Power365 assigns access rights for its service accounts only to individual mailboxes that are in scope for mailbox migration activities, and only when those rights are necessary for data synchronization activities.

Strict SSL/TLS Enforcement

All user connectivity to Power365 must be via HTTPS, with all content delivered directly from Power365 servers, protecting against *mixed-content exploits* and potential data leaks from external sources.

Power365 Data Transfer Protections

End-to-End Encryption for Data Migrations

All data synchronized or migrated via Power365—including mailbox, OneDrive and public folder data—is encrypted from end-to-end. This includes:

- Reading data from the source mailbox using an encrypted data channel
- Temporarily storing objects using message-level encryption, with *each message* using a unique, randomly-generated encryption key that is only held in memory
- Writing data to the target mailbox using an encrypted data channel
- Performing a secure delete of the temporary message file on the internal Power365 storage as soon as the message is written to the target mailbox

End-to-End Encryption for the Email Rewrite Service

All messages that traverse the Power365 Email Rewrite Service are encrypted throughout the process. This includes:

- Accepting messages from Office 365 only through TLS-encrypted interfaces
- Temporarily storing objects using message-level encryption, with *each message* using a unique, randomly-generated encryption key that is only held in memory
- Performing the address rewrite functionality in encrypted memory space
- Delivering rewritten messages back to Office 365 only through TLS-encrypted interfaces for delivery to their destination mail system

End-to-End Encryption for Power365 Directory Sync

All data synchronized via Power365—including Active Directory On-Premises and Cloud based data—is encrypted from end-to-end. This includes:

- Reading data from the source environment using an encrypted data channel
- Writing data to the target environment using an encrypted data channel

Application Security

Veracode Verified Team Tier Seal

Power365 is subject to weekly security threat assessments conducted by [Veracode](#) to evaluate 3rd party and source code libraries for vulnerabilities and threats. Veracode is recognized as leader in Application Security by Gartner. Binary Tree holds the [Veracode Verified Team](#) seal.

Third-Party Security Scans and Penetration Testing

Power365 is subjected to a comprehensive vulnerability scan monthly and thorough penetration test annually from a leading security provider. Any potential vulnerabilities that are detected are automatically categorized as Severity 1 bugs and are addressed immediately.

Certifications

ISO 27001:2013 Certified

BinaryTree.com, Inc. is certified and conforms with the requirements of [ISO/IEC 27001:2013](#). ISO/IEC 27001:2013 specifies the requirements for establishing, implementing, maintaining and continually improving an information security management system within the context of the organization. It also includes requirements for the assessment and treatment of information security risks tailored to the needs of the organization.

Privacy Shield Alliance Certified

BinaryTree.com, Inc. is certified and conforms with the requirements of the [EU-U.S. Privacy Shield framework and Swiss-U.S. Privacy Shield framework](#). The EU-U.S. and Swiss-U.S. Privacy Shield Frameworks were designed by the U.S. Department of Commerce, and the European Commission and Swiss Administration, respectively, to provide companies on both sides of the Atlantic with a mechanism to comply with data protection requirements when transferring personal data from the European Union and Switzerland to the United States in support of transatlantic commerce.

ISO 27018:2014 "Cloud Security" Certified

BinaryTree.com, Inc. is certified and conforms with the requirements of [ISO 27018:2014](#). ISO/IEC 27018:2014 establishes commonly accepted control objectives, controls and guidelines for implementing measures to protect Personally Identifiable Information (PII) in accordance with the privacy principles in ISO/IEC 29100 for the public cloud computing environment.

Compliance

General Data Protection Regulation (GDPR)

BinaryTree.com, Inc. values adherence to international data protection and security initiatives, including without limitation Article 28 of the General Data Protection Regulation (EU 2016/679). Binary Tree is committed to implementing an information security program that contains administrative, technical and physical safeguards reasonably necessary to protect against anticipated threats to the security, confidentiality and integrity of data with respect to applicable security standards.

[Art. 94](#) of GDPR repealed Directive 95/46/EC (EU Model Clauses), in which BinaryTree.com, Inc. was compliant. However, we continue to adhere to the standards set by that directive for the transfer of personal data to processors.



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