



BKP365 Connect - Cloud Backup Security Whitepaper

When you start using any cloud backup application for your organization, the first and the foremost fear for the customers is the security of your organization's business critical data.

In a recent global research by leading organization, SMEs, Mid-Sized companies and large organizations are shifting to cloud infrastructure for backups.

Security & ease of use rank amongst the top factor while adopting the public cloud platforms.

powered by 



+91-7835000365



www.bkp365.com



sales@bkp365.com



Spectra Technologies India Private Limited
8/33-C, First Floor, Kirti Nagar Industrial Area,
New Delhi - 110015, INDIA

Key Cloud Security Frameworks at BKP365 Connect

- **Data Level Security**
- **User management & authentication**
- **Super Administration management**
- **Security while sharing the backup data**
- **Architecture level security**
- **Events logging and audit trail**
- **Encryption protocols while transferring and while data is at rest**
- **Application level metadata management**
- **Advanced intrusion detection**
- **Advanced & internal firewalls**
- **Phishing detection and breach drills**
- **Data centres security**
- **Network Security**
- **Physical security of the infrastructure**
- **Compliances and adherence to global rules & regulations**
- **Data storage, access, restoration & privacy policies**
- **Cloud Security awareness education & learning material**
- **Annual security audit**

BKP365 Connect was conceptualised keeping the most advanced security frameworks in mind and hence ensures better security on cloud infrastructure by any known global standards.

Backup, Restore and Relax using BKP365 Connect



+91-7835000365



www.bkp365.com



sales@bkp365.com



Spectra Technologies India Private Limited
8/33-C, First Floor, Kirti Nagar Industrial Area,
New Delhi - 110015, INDIA



How BKP365 Connect implements and ensures the above security frameworks:

Data level security

- As part of our customer onboarding, success and security awareness program our technology ensures even at the base data level which is still lying at the customer's end points, desktops and servers. In BKP365 security rules are implemented to safeguard business critical data at base level.

Users management & authentication

- BKP365 Connect allows a comprehensive way to add users and computer devices (agents). You get a comprehensive way to add, activate, archive, suspend or delete users and devices in the system. Each one would have its own access rights based on already existing rights or these can be custom built from the super admin users for the specific exercise of backing up on the cloud infrastructure.

Super Administration Management

- BKP365 Connect allows you to add more than one administrator with different access rights and privileges. These admins then further configure users, agents, security policy, billing rights etc. the administration module allows you to track user management activities, their access tracking, device activity monitoring and framing and implementing backup security policy. Administrators can set the input data selection rules, application menu / sub-menu level privileges for users, web

access and sharing privileges. New application users can be added by sending email invites, CSV/XLS file upload or via Active directory.

Security while sharing the backup data

- BKP365 Connect allows you to set security for any file and folders data shared with other users with the help of military grade encryption, setting passwords for shared links and setting the expiration of the links so that original backup remains intact and shared file if not actioned within specified time can not be used later.

Architecture Level Security

- BKP365 Connect was conceptualised, designed and developed using multiple levels of security of cloud infrastructure, application and data point of view. We use 256 bit AES encryption which is military grade data encryption protocols and Secured socket layer (SSL), Transport Layer security (TLS) and even HTTP Strict Transport Security (HSTS) so that by no means data can be breached and reused by intruders. This coupled with application layer, logical and physical security works well to bring confidence.

Event Logging & Audit Trails

- BKP365 Connect keeps a comprehensive record of each and every events and actions tracked by the way of its audit trails and logs.



+91-7835000365



www.bkp365.com



sales@bkp365.com



Spectra Technologies India Private Limited
8/33-C, First Floor, Kirti Nagar Industrial Area,
New Delhi - 110015, INDIA



Encryption protocols while transferring and while data is at rest

- BKP365 Connect uses protocols such as Secured socket layer (SSL), Transport Layer security (TLS) and even HTTP Strict Transport Security (HSTS) for transferring the clients data. For the data at rest we are using advanced AES 256-bit Encryption protocols. Internally the data is stored in blocks and When a user or agent requests incremental update or access, then that particular block is shared to the user or agent. This encryption makes sure that your data is always stored in the world's most secure safe and only original users or administrators can access and manage.

Application level metadata management

- BKP365 Connect uses industry standard internal open source database (MySQL) for storing its own users and usage metadata and backup information.

Advanced intrusion detection

- BKP365 Connect application security management teams have a lot of data about users, admins and actions. We have implemented algorithms to detect normal user activity vs. intruders activity and upon detection of any such activity the application team is notified by the way of automated alerts on email. This helps in preventing any unforeseen circumstances or need for any disaster recovery later on. Our application allows secure online storage and keeps on serving many sessions and many users concurrently.

Advanced & internal firewalls

- BKP365 Connect infrastructure utilises internal and external software, logic and hardware based firewalls. These advanced firewalls allow us to secure the data at our infrastructure. These advanced Firewalls keep on inspecting traveling data packets. We examine the source data, destination data and also verify the data packet content integrity.

Phishing detection and breach drills

- BKP365 Connect application security management team keeps on organising the phishing detection. These help us in ensuring that in case of any actual scenario we are very well prepared. We maintain documents on these activities.

Data centres security

- BKP365 Connect works with a number of third-party data centres named as special backup zones (SBZ) across data centres across Asia, Europe and USA.

Network security

- BKP365 Connect has developed and created multiple layers of protection and security for protection of our networks. We use industry standard network protection techniques, including advanced firewalls, we do regular network vulnerability scanning, we continually engage in network security monitoring and have deployed intrusion detection systems. We have dedicated IPs and segregation of test and production environments.



+91-7835000365



www.bkp365.com



sales@bkp365.com



Spectra Technologies India Private Limited
8/33-C, First Floor, Kirti Nagar Industrial Area,
New Delhi - 110015, INDIA



Physical security of the infrastructure

- BKP365 Connect infrastructure is having a 3 tier security layer and entry via access controls only. For entry into the third party data centres and SBZs proper documentation and records are maintained for BKP365 authorized professionals only. Unauthorized access to any data centre is never allowed and these third-party data centres follow their own physical security protocols.

Compliances and adherence to global rules & regulations

- BKP365 Connect's parent organization Spectra technologies India Pvt Ltd has secured a large number of certifications and compliances. We are ready for Payment Card Industry Data Security Standards (PCI DSS), Health Information Technology for Economic and Clinical Health Act (HI- TECH) and even Health Insurance Portability and Accountability Act (HIPAA) for storage of special type of data. We are an ISO certified company and have standard and documented processes. We are taking adequate measures to adhere to user cookie storage and Global data protection rules and regulations.

Data storage, access, restoration & privacy policies

- These documents help you understand our policies on:
 - Definition of personal data

- Cookies and passive data collection & Service providers
- Product licence and usage
- What kind of data we collect, where we store and why
- With whom we may share this information etc.
- Changes to this policy itself

- For a detailed review of the BKP365 privacy policy, product agreement and services level agreements please visit <https://www.bkp365.com>

Executive Summary

BKP365 Connect is working regularly to help protect your business critical data by some of the world's top data security protocols, frameworks and rules established. We treat data security as our first priority above anything else so that users and IT managers are assured with their data and backup investments with us. You can contact our sales team by dialing +91-7835000365 or sending us an email at sales@bkp365.com and we will schedule to speak with you. For more information, case studies and customer success stories and or to estimate your backup pricing please visit <https://bkp365.com/>.

For support write to us at support@bkp365.com

BKP365 Connect acts like an electronic safe which encrypts and secures your data which is not available for any unauthorized access, any how



+91-7835000365



www.bkp365.com



sales@bkp365.com



Spectra Technologies India Private Limited
8/33-C, First Floor, Kirti Nagar Industrial Area,
New Delhi - 110015, INDIA

