Talon FAST™ Software

Next-Generation software-defined storage for distributed enterprises

Factors impacting the Distributed Enterprise

One of the biggest challenges that organizations face today is the excessive growth of unstructured data and the inability to centrally manage those data sets efficiently. IDC estimates that 90 percent of today's enterprise data is unstructured—accessed and stored across multiple environments, in multiple formats, in locations all over the world. As businesses evolve, they create distributed data storage environments that are expensive and time consuming to maintain. Centralizing and consolidating storage can lead to big cost savings, but with centralization comes network and application performance challenges.

Next Generation, Software-Defined Storage

Talon FAST™ Enterprise Edition allows businesses to centralize unstructured file data, leverage customer's existing traditional datacenter or cloud storage infrastructure, and consolidate distributed storage and IT assets. The software transparently extends these features to users globally by leveraging the FAST™ Intelligent File Caching technology to provide real-time global file-sharing and collaboration to end users. Talon FAST™ can transparently fit any IT environment, as the solution is storage agnostic, which means it can integrate with various systems without requiring any special adaptations. Whether you want to leverage your existing traditional file server or private/public cloud storage infrastructure, the benefits of FAST™ are always immediately available to distributed locations.

Discover Talon FAST™, the latest advancement in high performance, software-defined storage centralization and consolidation for distributed enterprises.

Talon FAST™ Benefits

Centralize and Secure Data
Create a "Single Set of Data" using existing traditional datacenter, hybrid-cloud, or full cloud datacenter infrastructure

High Performance
Creates a flexible Intelligent File Cache at the branch for maximum performance and optimal end user experience

Global File Sharing
Delivers enterprise global file-sharing with distributed file-locking, allowing 1000's of users to collaborate in real-time

Microsoft Integration
Runs on Windows Server and transparently integrates with Microsoft Azure, Active Directory, ACLs, and NTFS permissions

Cut Storage Costs
Modernize branch office IT infrastructure and systems management by reducing complexity and cut storage costs

Eliminate Branch Office Backup
Consolidate distributed file storage to a central authoritative data set and eliminate branch office backup

TALON

Drastically reduce storage footprint

Talon FAST™ enables distributed branch offices to drastically reduce their storage footprint by only caching active data sets, which means that users have immediate access to all centralized data, which could be 100s of TBs or even PBs of unstructured data, but only cache data that is relevant to them or actively used by other users in the office.

Additionally, as the active dataset ages over time, the FAST™ Intelligent File Caching purging mechanism clears the least recently used (LRU) cached files from the local storage volume. This allows the cache to be filled with relevant data only.

Streamline and Simplify Branch office IT

As organizations are aiming to centralize and consolidate their branch office IT storage assets, eliminating complexity and back-up provides significant cost savings. As Talon FAST™ deploys transparently on a (virtual) Microsoft Windows Server instance, on traditional servers, or on virtualization platforms like Microsoft Hyper-V or VMware vSphere, enterprises can consolidate local storage and embed services like Microsoft Active Directory, DNS/DHCP, DNS, DFS Namespaces, and Software Distribution in their streamlined and standardized branch office IT image.

The FAST™ Fabric, Storage Agnostic

By overlaying the Microsoft Windows File Sharing mechanism, virtually every backend storage platform that stores unstructured data can be made accessible globally by implementing Talon FAST™ software.
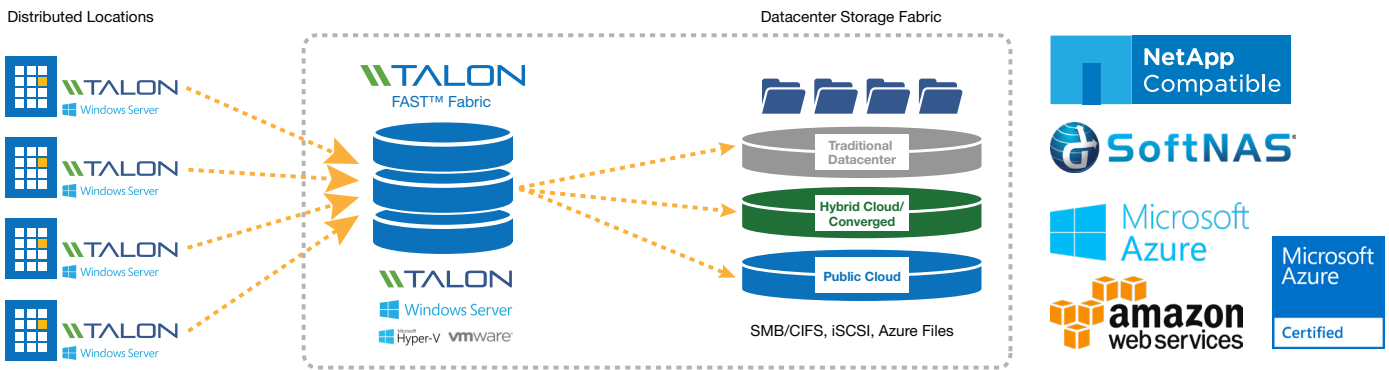
FAST™ provides a Virtual File Share and Intelligent File Cache at each edge location, fully integrating with Microsoft security principles like Active Directory, ACLs, NTFS permissions, and DFS Namespaces. This delivers performance at a global scale, even in locations that are challenged with poor connectivity.

FAST™ Key Benefits

- **Flexible**: Storage agnostic, works with any SMB/CIFS or iSCSI platform that provides access to unstructured file data
- **Intelligent**: Caches only what's needed at the branch
- **Zero-touch**: Automatically purges stale cached files over time (LRU) from the NTFS-based Intelligent File Cache
- **Performant**: Compresses, streams, and reduces data between FAST™ Edge and FAST™ Core instance(s)
- **Secure**: Supports end-to-end SSL encryption (SHA256)
- **Consistent**: Ensures real-time distributed file-locking for enterprise applications

Ensure optimal user experience

With Talon FAST™ software, your distributed users are guaranteed an optimal application experience by accessing and collaborating on data in real-time, which feels as if they're all working from the same office.

Talon FAST™ Enterprise Edition

√ Talon FAST™ software runs on Windows Server 2012 R2 and Windows Server 2016

√ Fully integrates with customer's Microsoft ecosystem (ADDS, DNS/DHCP, Print Services, SCCM, SCOM, PowerShell)

√ Simple Installation and Management, designed for Microsoft administrators (UI, PowerShell, DSC)

√ Includes Systems Center Operations Manager 2012 R2 (SCOM) Management Pack

Software Subscription

√ Annual or multi-year software subscription

√ Subscription is based on the amount of sites/distributed locations

√ Includes all software, documentation, updates, and web/phone support