

Collaborate with confidence

How to create the secure digital workplace

Dan Diefendorf
SVP, Americas @ LiveTiles



Who is LiveTiles

- The Intelligent Workplace – The LiveTiles suite of technology products and solutions
- LiveTiles and Nucleus Cyber - AI-driven Data Security

Your content and collaboration security challenges

- How do you collaborate and stay secure?
- Insider threats larger than you can imagine
- Your Documents and IP most at risk
- What are organizations doing today to secure their SharePoint content?

The Solution

- Protection based on File *Content* & User *Context* is Critical to maintain your security posture
- How LiveTiles can help you collaborate with confidence

Who is LiveTiles



Imagine a workplace where your people and artificial intelligence work together, and your Intranet is transformed into a customizable secure digital landscape that unites disparate applications and systems into a single view. **This is the Intelligent Workplace made possible by LiveTiles.**

The LiveTiles Intelligent Workplace brings together the full suite of LiveTiles products into an enterprise solution. Empowering you to design and manage a digital environment that creates compelling users experiences, while also maximizing productivity across your business.

LiveTiles enables you to unlock more value out of your Microsoft Investments (Azure, O365 and SharePoint), while also empowering you to rapidly transform your business in a matter of months not years.

Don't just take our word for it...

- Microsoft US Partner Modern Workplace - Modern Workplace Transformation, Microsoft, 2018
- Best Application of AI in the Enterprise, AIConics, 2018
- 2018 Most Creative Use of Flow European SharePoint Conference

A Secure Intelligent Platform

UX / UI

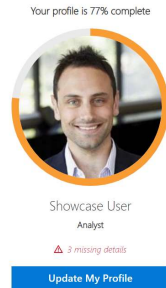
Deliver content and data together in a holistic, cohesive and consistent experience from any source.



Deep personalization (Proactive and Predictive)

Profiling

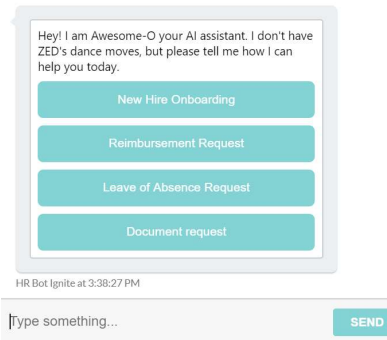
Know all your users. With a complete view of how they work and what skills, and value they provide.



AI to 'free up' human time for high value tasks

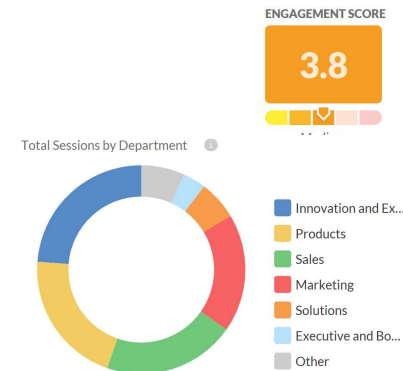
Bots

Leverage existing technology investments and enable the creation of relevant and discrete bots across the enterprise.



Intelligence

Gain valuable insight into how your digital workplace solution is being used, to make data driven decisions to enhance the experience.



Data and analytics will be embedded in everything you do

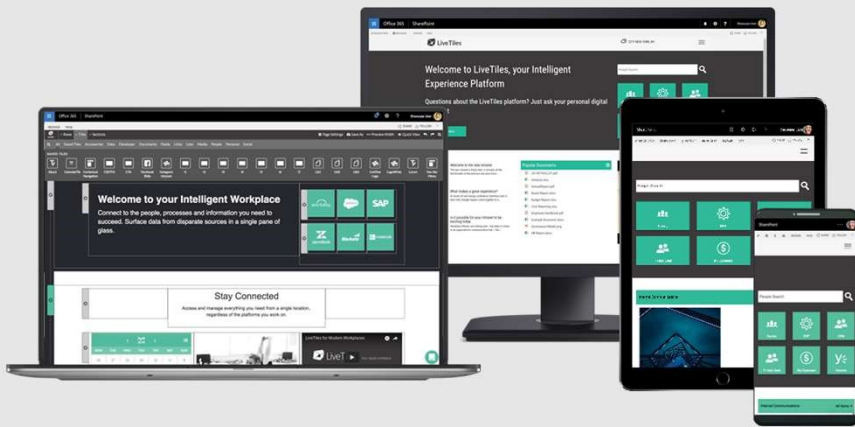
Security

Automatically protect sensitive data against loss, misuse and unauthorized access with intelligent content and context aware access control.



Keep your valuable content and IP secure

An Secure Intelligent Platform



- Recognizes that every organization, department and employee has **different needs**.
- **Simplifies** the chaos and abundance of technology through design that **empowers every single person** in a company.
- Delivers content and data together in a holistic, cohesive and **consistent experience** from any source.
- Provides **Flexibility** - easy to build and easy to change.
- Increases ROI by leveraging **existing technology** investments and increasing **adoption**.
- Ensures **security** and provides an **enterprise grade** solution.
- Provides a roadmap aligned to future business needs and technology shifts.

Better Together – A Secure Intelligent Workplace



- LiveTiles has partnered with **Nucleus Cyber** the AI-driven data security company.
- **LiveTiles' Intelligent Workplace Solution now includes Nucleus Cyber's data security platform.**
- Providing customers with **increased capabilities to protect against insider threats** including breaches, sensitive data misuse and unauthorized file access.
- Advanced data protection to minimize data loss and misuse for a wide range of digital environments including Cloud based systems such as Office 365 and OneDrive for Business, SharePoint on-premises and hybrid deployments, file shares and enterprise social systems.

How do you collaborate and stay secure?



In the digital era being competitive requires organizations to be both collaborative and secure.

It is a fine balancing act between freely sharing information in and out of a business, whilst also maintaining a security and compliance posture.

The shared challenge amongst IT leaders and security specialists worldwide is - *"How do I enable a collaborative digital workplace, whilst also ensuring we have the security protections in place to protect our IP and sensitive information?"*

Threats from the inside



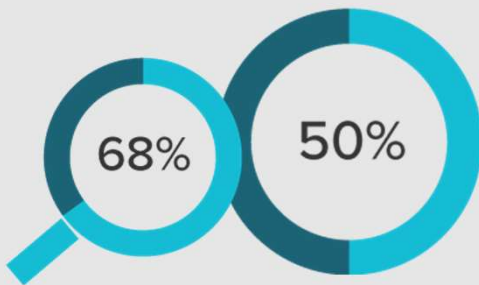
Preventing External Cyber attacks are front and center in security today...

...but another major data security weakness lies closer than you may think.

Insider Data threats are a large unsolved IT Problem



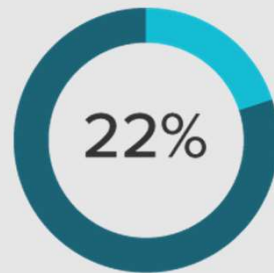
Malicious Users & Corporate Espionage



50% of breaches had significant insider element.¹

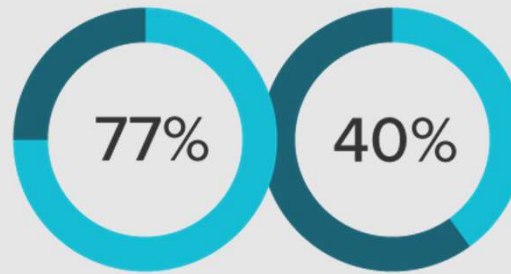
68% of breaches took months or longer to discover – especially when they involve legitimate access.²

Mistakes Do Happen



22% of breaches involved employee negligence.¹

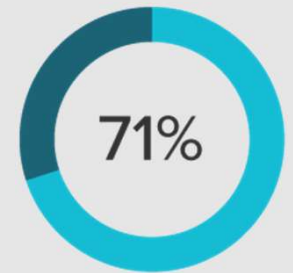
Confidential Data in Rogue Clouds



77% of all businesses experience rogue clouds;

40% saw confidential data exposed there.³

The Struggle Is Real



71% of enterprises struggle to manage and protect unstructured data.⁴

4 out of 5 organizations don't know where their sensitive data is located, nor how to secure it.⁵



Your Documents & IP are Most at Risk

Sony Pictures

Hack claiming to have taken more than 100TB of data including employee PII, internal emails and IP related to many of the organizations media projects

BBC Worldwide

Doctor Who scripts were inadvertently made public from the organizations US based operations. The leaked content was marked "private and confidential".

Viacom

Credentials and configuration files were exposed due to a misconfigured AWS server. The exposed credentials would have been enough for hackers to take down Viacom's internal IT infrastructure and internet presence, allowing them to access multiple cloud servers

Minecraft

Over 7 million accounts belonging to members of the Minecraft community "Lifeboat" were hacked exposing email addresses and weakly hashed passwords.

Snapchat

An attacker pretending to be the social media company's CEO Evan Spiegel tricked an employee into emailing over the information.

Snowden - Wiki Leaks

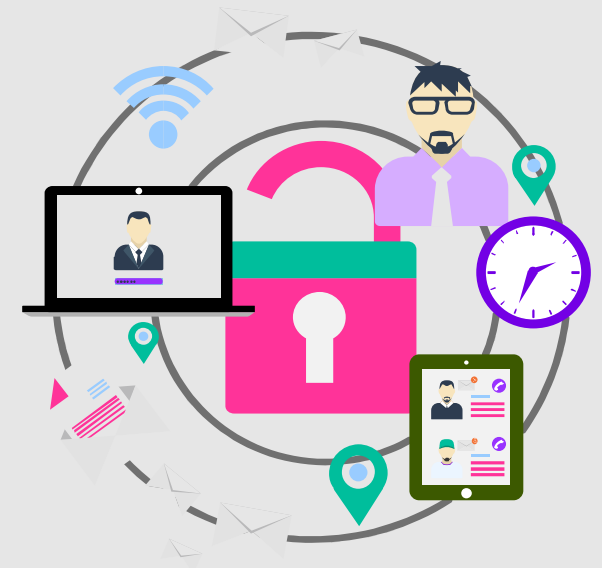
Copied and leaked classified information from the National Security Agency (NSA) in 2013 without authorization, revealing numerous global surveillance programs.

What are organizations doing today to secure sensitive content?

- Juggling permissions on content locations such as folders or individual files
- Maintaining multiple security access groups
- Creating unique silos for specific sharing scenarios

The Result?

- Hard to manage and maintain
- Complicated interactions
- Incomplete security with out-of-the-box solutions
- Frustrated users and administrators



What's Missing?

Dynamic Security:

The ability to apply security as users and documents change, in real time

- The ability to handle dynamic security in real time
 - Take user context or location into account
- The ability to secure documents when they are relocated or extracted from the collaboration repository
 - Content is no longer stored or accessed from corporate environments at all times
- The ability to leverage known information about content and users to apply security
 - Ensuring that content is always secure for any scenario.



The AI-driven Data Security for the Intelligent Workplace



DISCOVER & SECURE SENSITIVE DATA

Locate and classify all sensitive and confidential data (PII, IP, HIPAA, HR, etc.) using a single set of rules for one or multiple on-premises and cloud environments. Automatically encrypt or quarantine files when required.



PREVENT DATA LOSS, MISUSE & HUMAN ERROR

Dynamically adjust file access security and in-transit encryption based on real-time comparison of user context and file content. Ensure users share and use files according to your regulations and policies across all devices and locations.



EMPOWER USERS IN AN INTELLIGENT WORKPLACE

AI-driven security applies policies to enable users to safely access and collaborate while automatically providing the appropriate level of protection to files. Empower your users to work how and where they want without risking your sensitive data.

Protecting files in motion

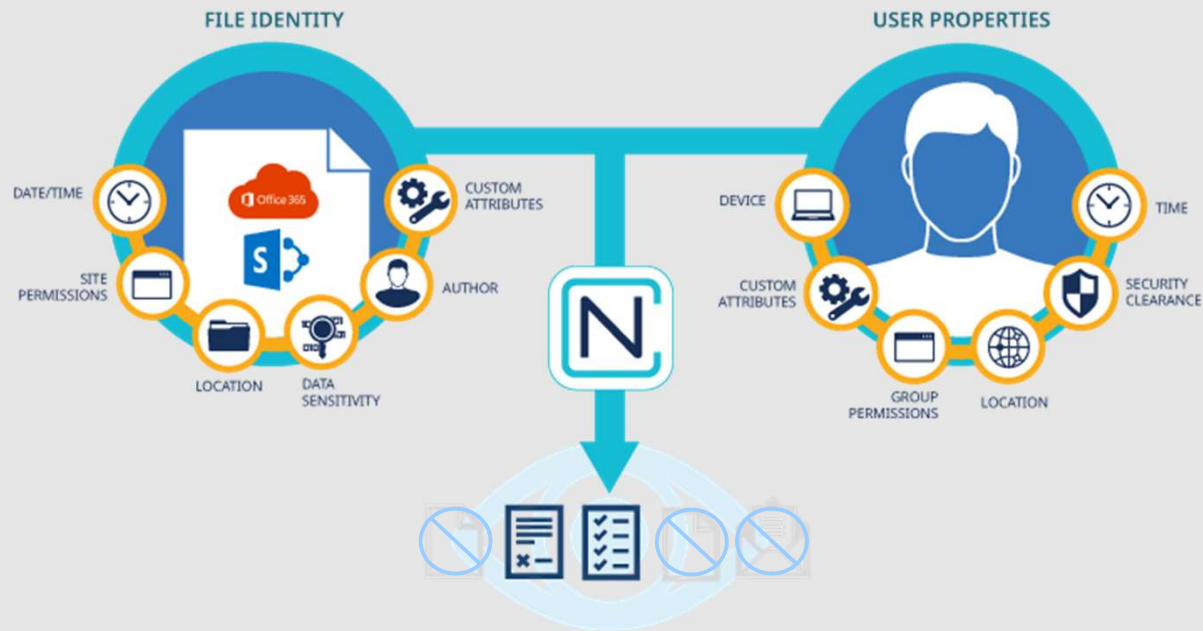


Security needs to depend on Content and Context, accommodating all SharePoint files in motion

- Implement consistent policies throughout hybrid environments
- Tailor protection to the file's location and content
- Secure SharePoint files even after they leave the company



Protection based on *content* and *context*



AI Augmented, Contextual Authentication Determines:

What a user sees when viewing and searching for files

Whether a user can open, edit, copy or download a file

If a file is encrypted when saved, copied, or emailed

If a file can be emailed to a particular recipient

If a file can only be viewed in a secure application

What actions are enabled in the Microsoft UI

Key IT Use Cases to Protect Your Data



Dynamic Access to Sensitive Data

- Provide an augmented view of and granular access to files without the large infrastructure, performance and administration overhead of fine grained permissions
- Rules based engine compares user attributes and file attributes to determine access rather than file location
- Allow access to change based on the risk profile of the user e.g. are they within the corporate network or at a public location

Simple Ruleset to Apply Protection to Sensitive Data

- Change usage rights based on the user and file attributes
- Secure Viewer to allow a user to see a file without removing it from SharePoint/O365 etc.
- Apply encryption and other protection in-transit for remote/mobile users e.g. stricter access or usage rights when working from a coffee shop

Discover and Classify Sensitive Data

- Simple configuration of search to discover sensitive data types across multiple repositories from a single pane of glass
- Granular search controls and filters to better align the search to your data across multiple repositories

A Secure Intelligent Platform

UX / UI

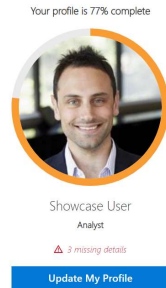
Deliver content and data together in a holistic, cohesive and consistent experience from any source.



Deep personalization (Proactive and Predictive)

Profiling

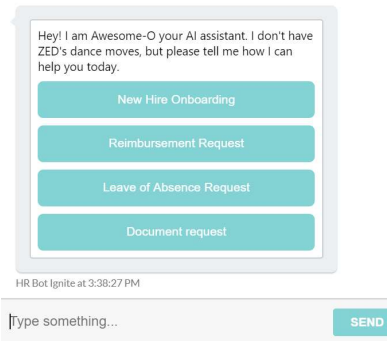
Know all your users. With a complete view of how they work and what skills, and value they provide.



AI to 'free up' human time for high value tasks

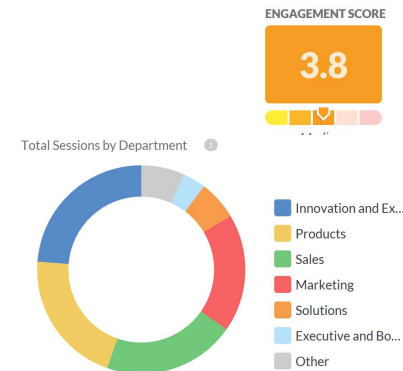
Bots

Leverage existing technology investments and enable the creation of relevant and discrete bots across the enterprise.



Intelligence

Gain valuable insight into how your digital workplace solution is being used, to make data driven decisions to enhance the experience.



Data and analytics will be embedded in everything you do

Security

Automatically protect sensitive data against loss, misuse and unauthorized access with intelligent content and context aware access control.



Keep your valuable content and IP secure



Q&A

Dan Diefendorf
Daniel.Diefendorf@livetiles.nyc

<https://www.livetiles.nyc/request-demo>

