Manage Digital Transformation with Tymlez Blockchain and SUSE® CaaS Platform

Integrating trusted third-party products within or between enterprises can be a serious bottleneck and a cost factor. The Tymlez Enterprise Blockchain Architecture is optimized to establish trust between parties, allowing the network to take over the trust functionality that the trusted third party (TTP) traditionally provided. The state-of-the-art architecture has built-in connectivity to your enterprise legacy systems, so you can leverage your prior investments, while the fully container-based stack allows your enterprise to develop blockchain applications and integrate them with existing legacy systems.

Tymlez Distributed Ledger Technology at a glance:
Tymlez Distributed Ledger Technology enables businesses to productize highly scalable and secure blockchain applications by providing:
+ Key, user, plugin, and application lifecycle management
+ Authorizations
+ Logging & monitoring
+ Visual modelling

Products:
- Tymlez Distributed Ledger Technology
- SUSE Linux Enterprise Server
- SUSE CaaS Platform

Dealing with Disruptive Change
Dealing with disruptive change is the great challenge of our age. Cost pressures, speed of change, technological innovation and end-user value shifts are forcing enterprises to rethink the way they think and how they work. Managing digital transformation is now the number one challenge for organizations that seek to survive and stay relevant in the new digital age. Blockchain technology provides capabilities that enable enterprises to create new business models and constantly amend them to meet the needs of the fast-changing digital economy. Introducing a distributed ledger solution into an enterprise or consortium means provisioning and managing a complex distributed architecture in a production environment. Making sure that this happens in a standardized and automated fashion is critical.

Tymlez Distributed Ledger Technology
Tymlez provides you with a hyper-scalable, enterprise-level blockchain architecture that enables your organization to develop, deploy and scale up distributed blockchain applications, which your organization can also integrate into its legacy systems and data. Containers are quickly becoming the standard way to introduce, deploy and manage new applications into the enterprise. The Tymlez Distributed Ledger Technology (DLT) environment is completely container based and can be provisioned and managed through SUSE CaaS Platform.

The Tymlez architecture provides the operational components your enterprise needs to operate blockchain applications more effectively and securely. It provides
Tymlez drastically reduces development times and allows architects and developers to focus on building great functionality.

a complete, secure environment with role-based access, multi-factor authentication, logging and tracking to support the running of enterprise level blockchain applications. Plugins and APIs enable these applications to talk natively to legacy systems like SAP R3, SAP HANA, Microsoft SQL, Salesforce and many others.

The Tymlez solution includes unique features such as:

- **Smart data logging for regulatory compliance**—provides data integrity against time-stamped blockchain records.
- **Smart contracts through visual modelling capabilities**—enables users to drag, drop and deploy changes in an agile and secure way.
- **Secure handling of digital asset creation and transfer**—applies multi-algorithm, multi-level, multi-signature formats for expressing conditions and fulfillments according to the Interledger Protocol (ILP).

The Tymlez architecture includes unique modeling tools that enable solution architects and developers to create innovative solutions aligned to today’s agile environments. It enables them to model, develop and deploy blockchain applications in days.
versus months. This capability drastically reduces development times and allows architects and developers to focus on building great functionality.

**Tymlez Integration with SUSE CaaS Platform**

SUSE® CaaS Platform is an enterprise class container management solution that enables IT and DevOps professionals to more easily deploy, manage, and scale container-based applications and services. As a result, enterprises can reduce application delivery cycle times and improve their business agility. Tymlez Distributed Ledger Technology environment is certified for SUSE CaaS Platform. That means it has been tested on SUSE CaaS Platform and is fully supported to work in that environment.

In addition, Tymlez integration with SUSE CaaS Platform provides the following benefits:

- Quickly scale up and out the Tymlez blockchain solution operating on SUSE CaaS Platform with zero downtime
- Rapidly deploy development and proof-of-concept environments through Helm charts
- Respond to increasing usage within production environments and scale out through Kubernetes with a single click
- Lower cost of ownership via Kubernetes cluster management which enables more effective use of the redundant IT capacity
- Utilize Kubernetes dashboards to manage the complexity and performance utilization of available IT resources
- Improve life cycle management of distributed ledger applications by ensuring every member and node within the consortium blockchain is on the same version
- Visual modeling which enables a drag, drop, deploy capability in the design of blockchain solutions, reducing development and deployment times

SUSE CaaS Platform helps businesses achieve faster time to value with Kubernetes, simplify management and control of their container platform, and maximize return on their Kubernetes investment.

For more information on Tymlez Distributed Ledger Technology and the integration with SUSE CaaS Platform please visit: www.tymlez.com/
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