

SAP Road Map for SAP NetWeaver Single Sign-On

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Global trends affecting access management



Increasing and changing regulatory requirements

In fiscal year 2010, 43 major new regulations were imposed – U.S. GAO data



IT investments into new innovative areas and TCO reduction

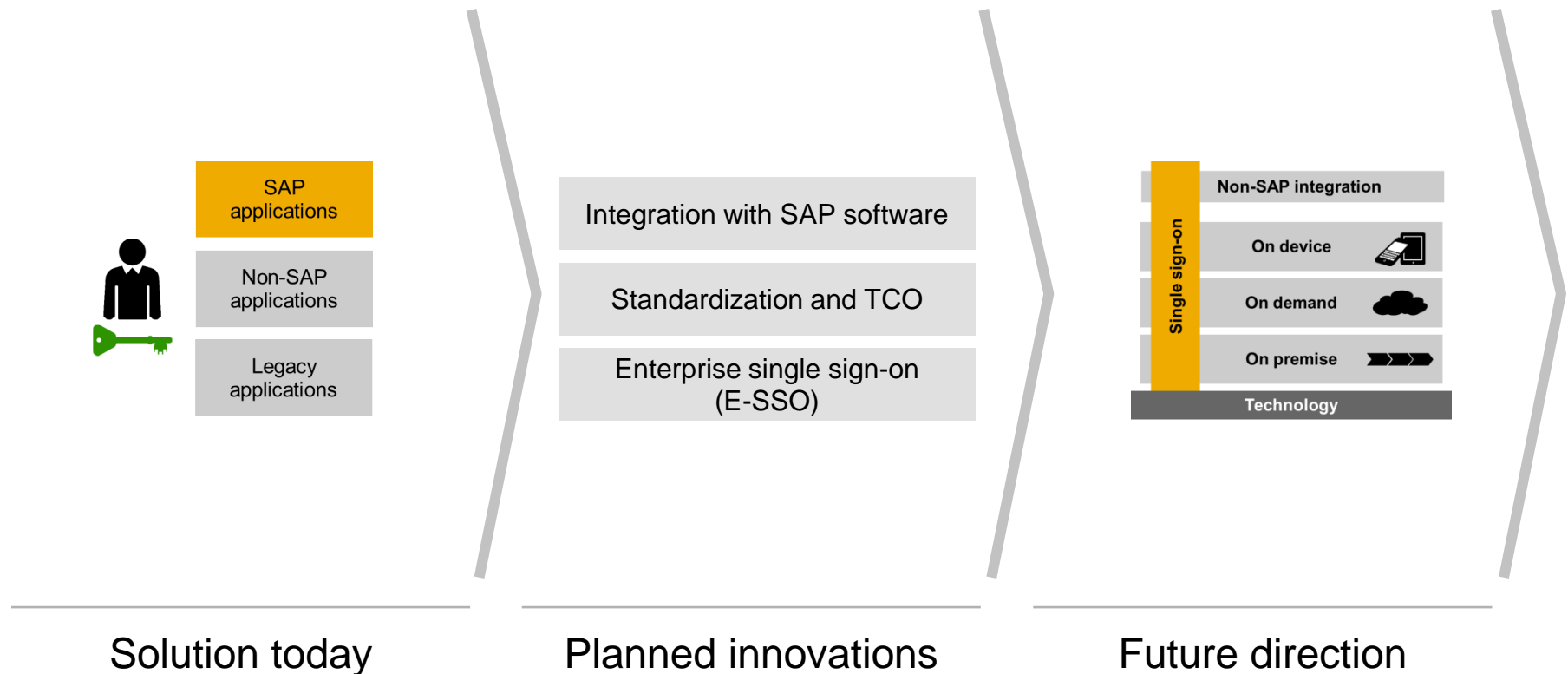
Companies need to reduce the total cost of ownership (TCO) to invest in innovations that enable their strategic business goals



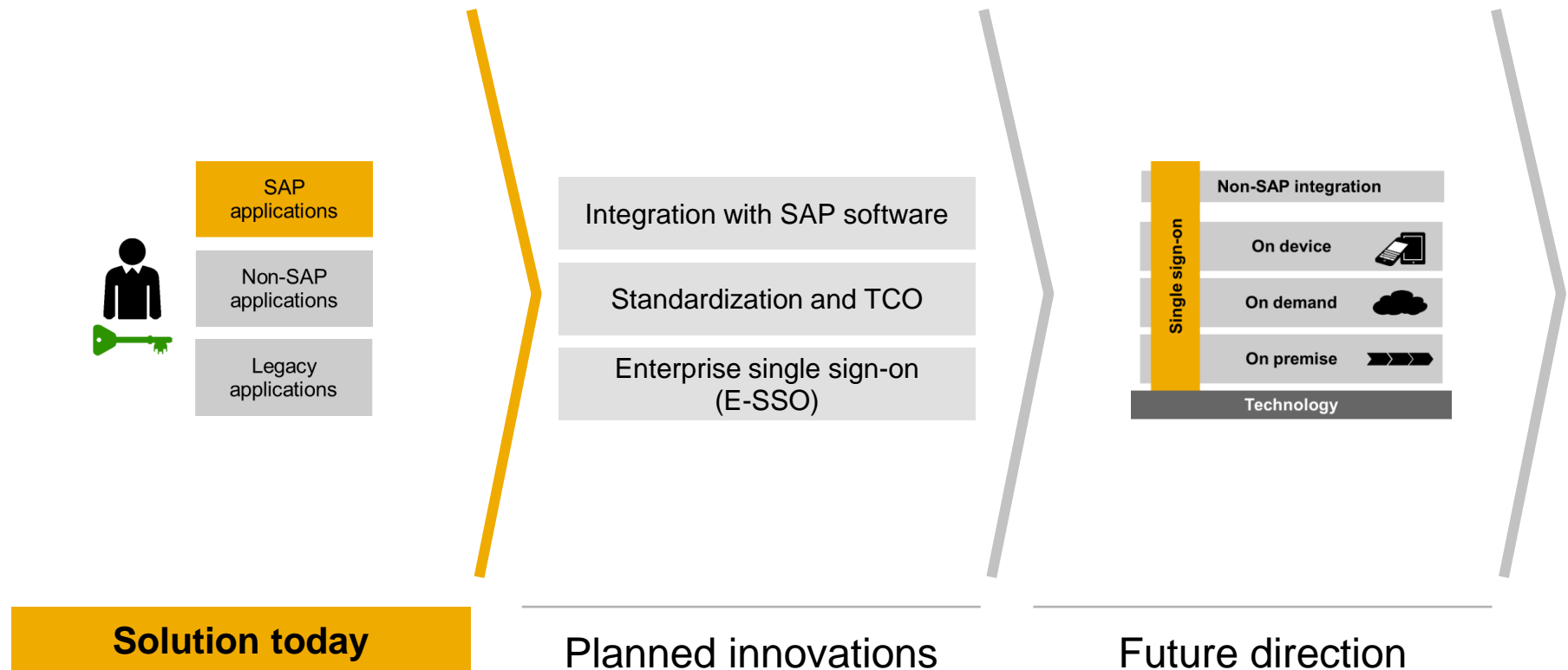
Cloud infrastructures accelerating the need for security measures

Physical security measures do not meet the demands of today's hybrid cloud infrastructures

Overview of SAP NetWeaver Single Sign-On



Overview of SAP NetWeaver Single Sign-On



Business drivers for the SAP NetWeaver Single Sign-On

Operational costs



- Use one solution for various single sign-on scenarios
- Achieve higher user productivity via true single sign-on
- Reduce the number of help desk calls to reset passwords
- Certificate authentication without a PKI(public key infrastructure) possible

Business agility



- Authentication across company boundaries
- Interoperability via public standards
- Holistic single sign-on approach supports changing business demand

Security and compliance



- Protect sensitive business data
- One password strategy allows strong password enforcement
- Additional authentication methods available

Solution Today

Compliant identity management and single sign-on

Big picture

Compliant identity management and single sign-on

Compliance and governance

SAP Access Control

Authentication and single sign-on

SAP NetWeaver Single Sign-On

Identity management

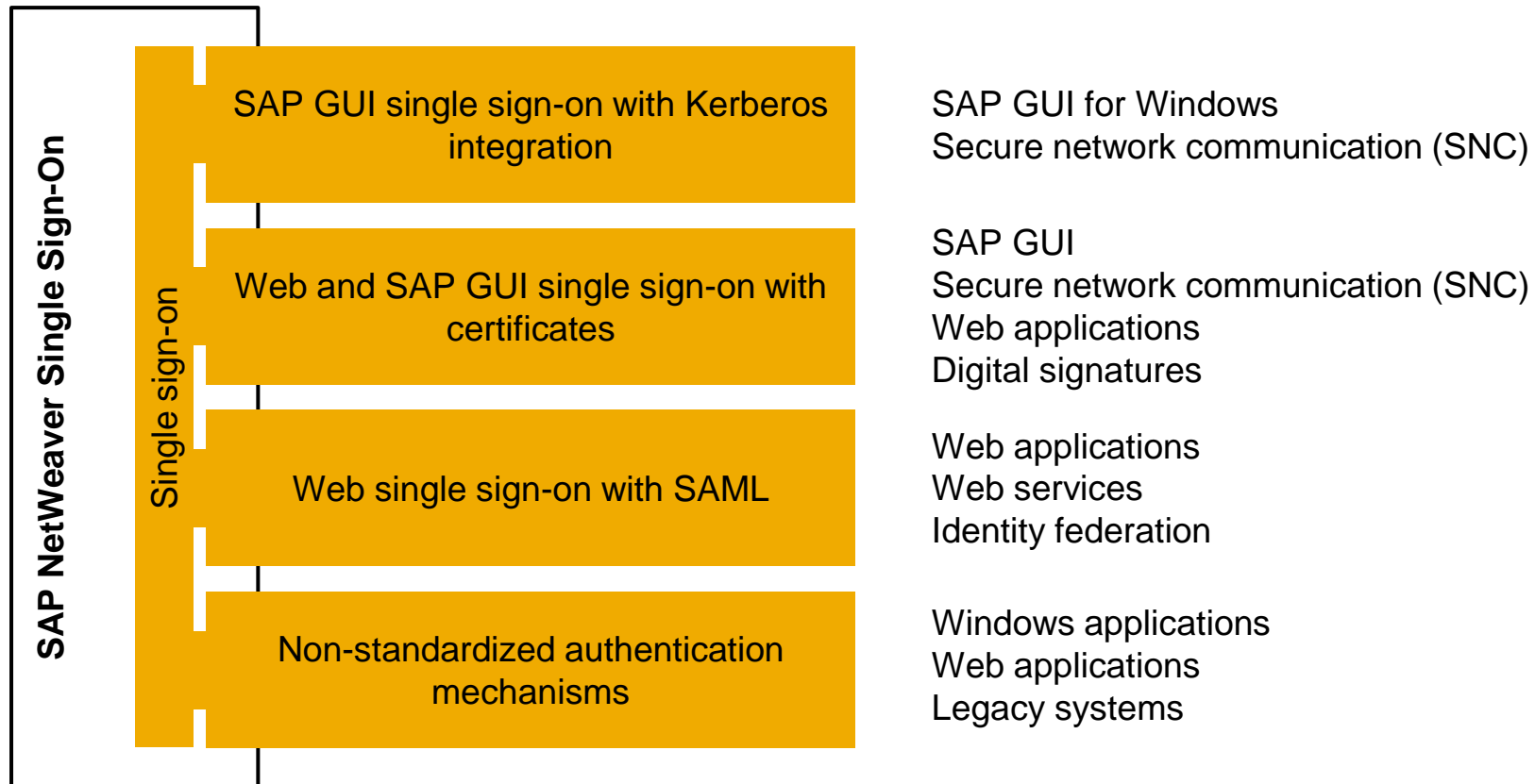
SAP NetWeaver Identity Management

SAP offers a complete suite of compliance, governance, identity management, and single sign-on solutions

Solution today

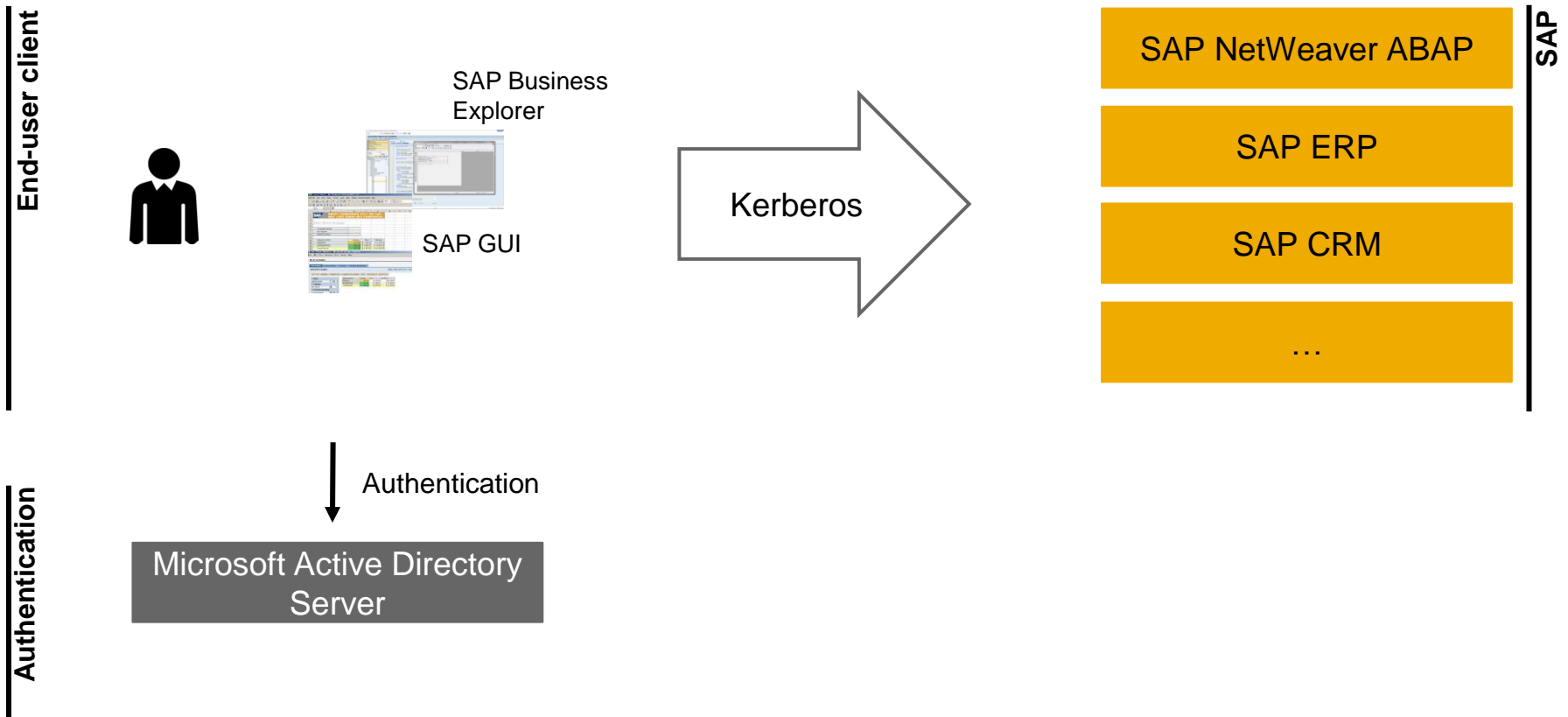
SAP NetWeaver Single Sign-On

Scenarios



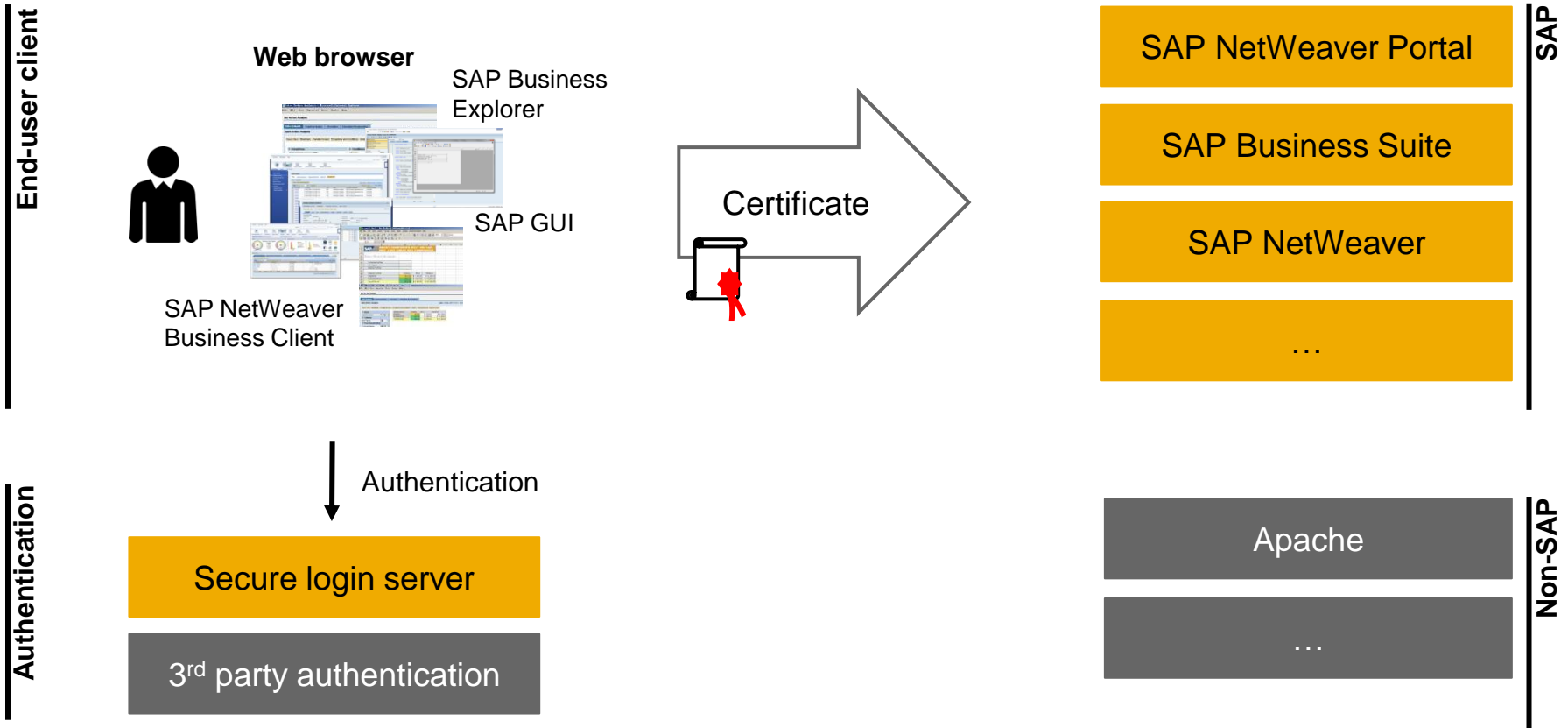
Solution today

SAP GUI single sign-on with Kerberos integration



Solution today

Web and SAP GUI single sign-on with certificates



Solution today

Web single sign-on with SAML

End-user client



Web browser



SAML

SAP NetWeaver Portal

SAP Business Suite

SAP NetWeaver

...

SAP

Authentication



Authentication

Identity provider

3rd party authentication

Apache

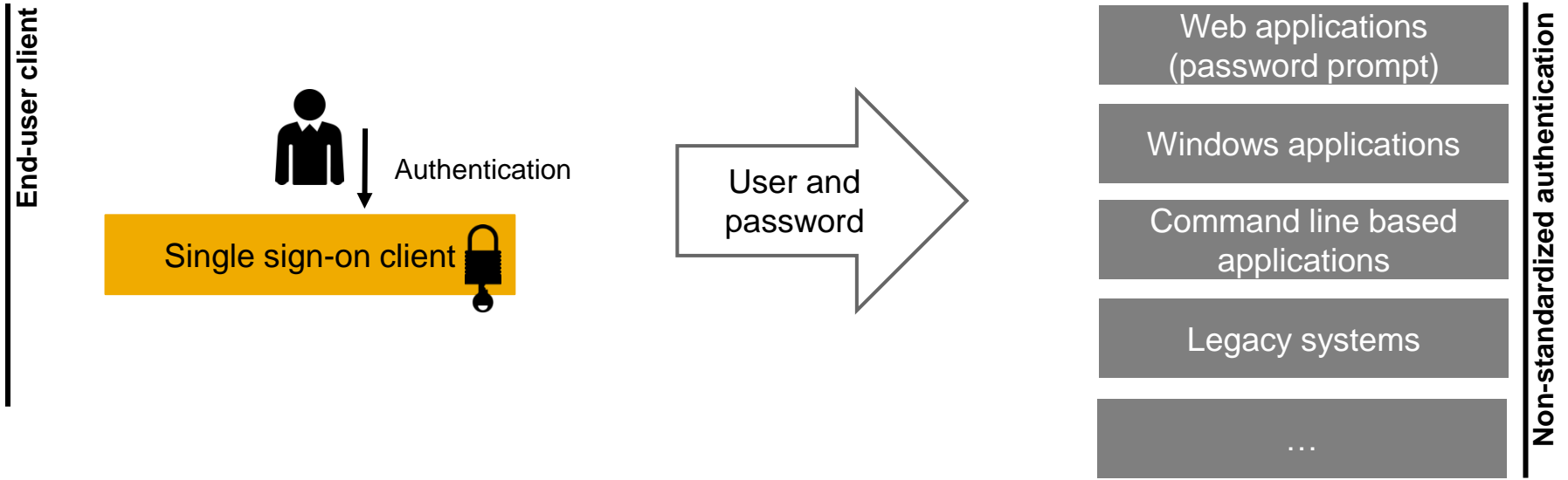
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Non-SAP

Solution today

Non-standardized authentication mechanisms

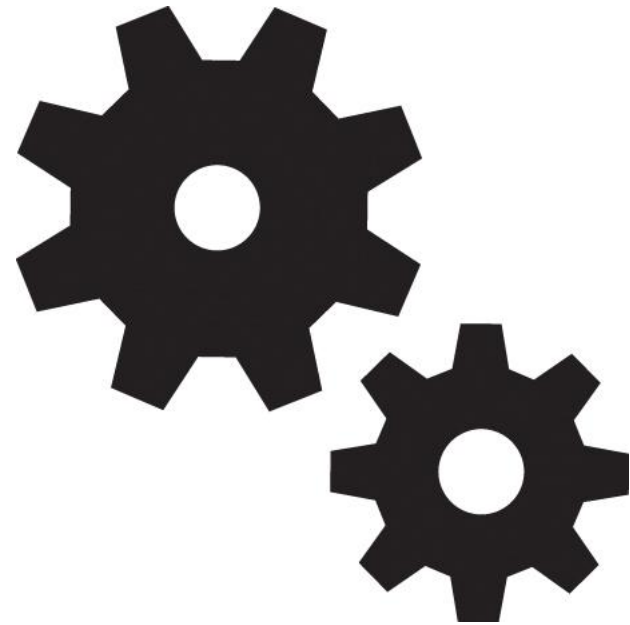
Secure password storage and management



Solution today

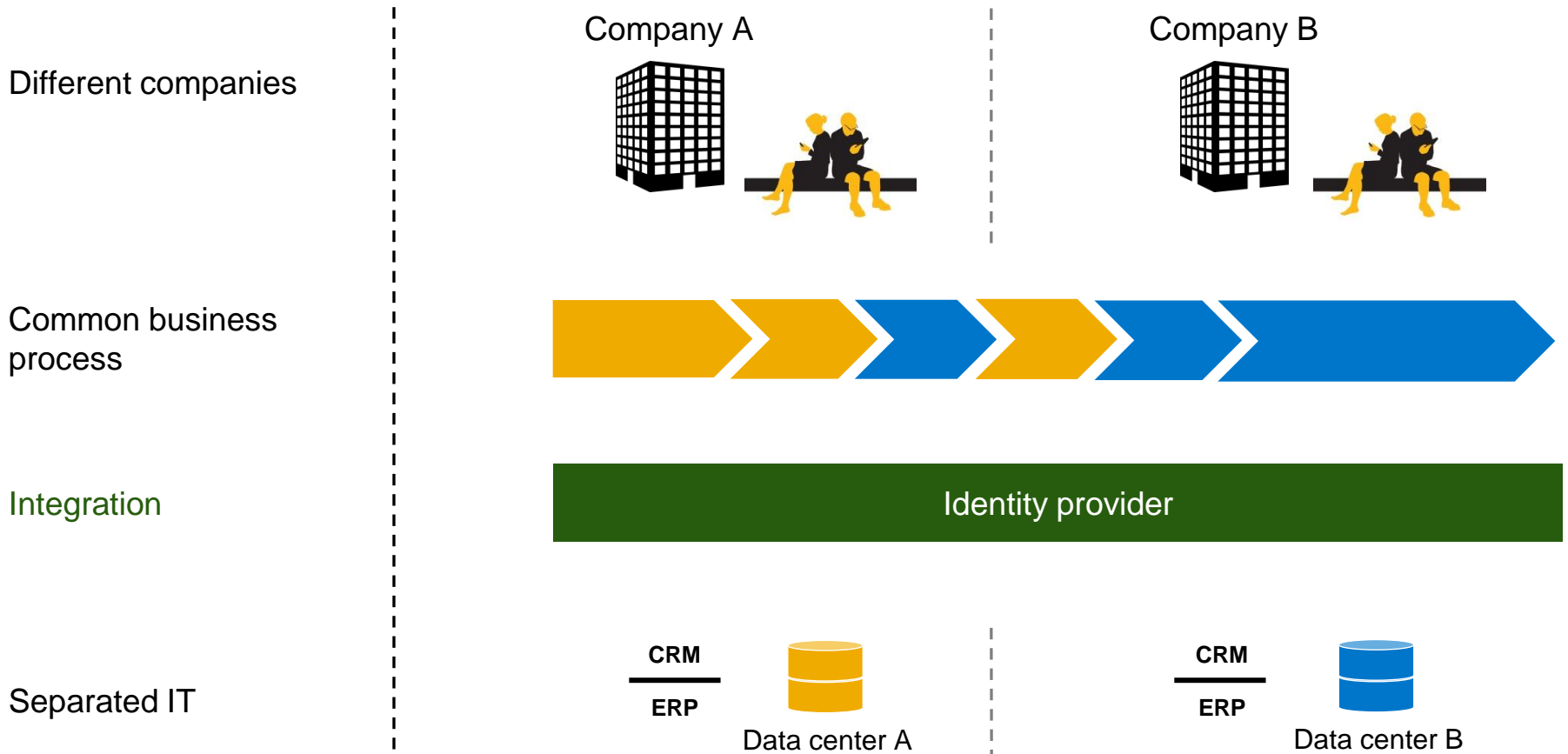
Security Assertion Markup Language (SAML)

- Web single sign-on across company boundaries
- Simplify integration of partners via identity federation
- Single sign-on based on an open standard which is supported by many software vendors
- Integration of SAP, non-SAP, and cloud applications



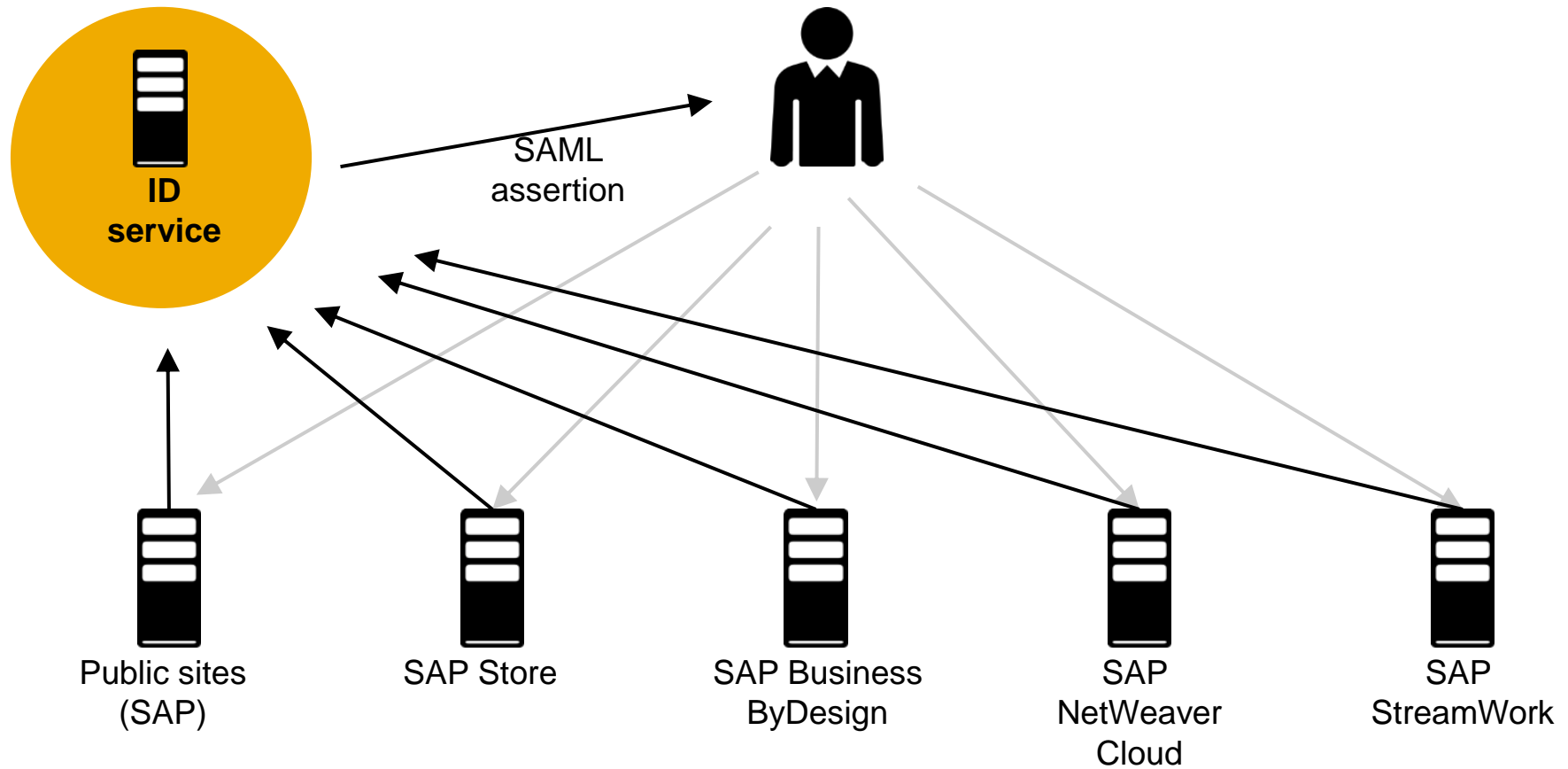
Solution today

Identity federation with SAML



Solution today

ID service



Solution today

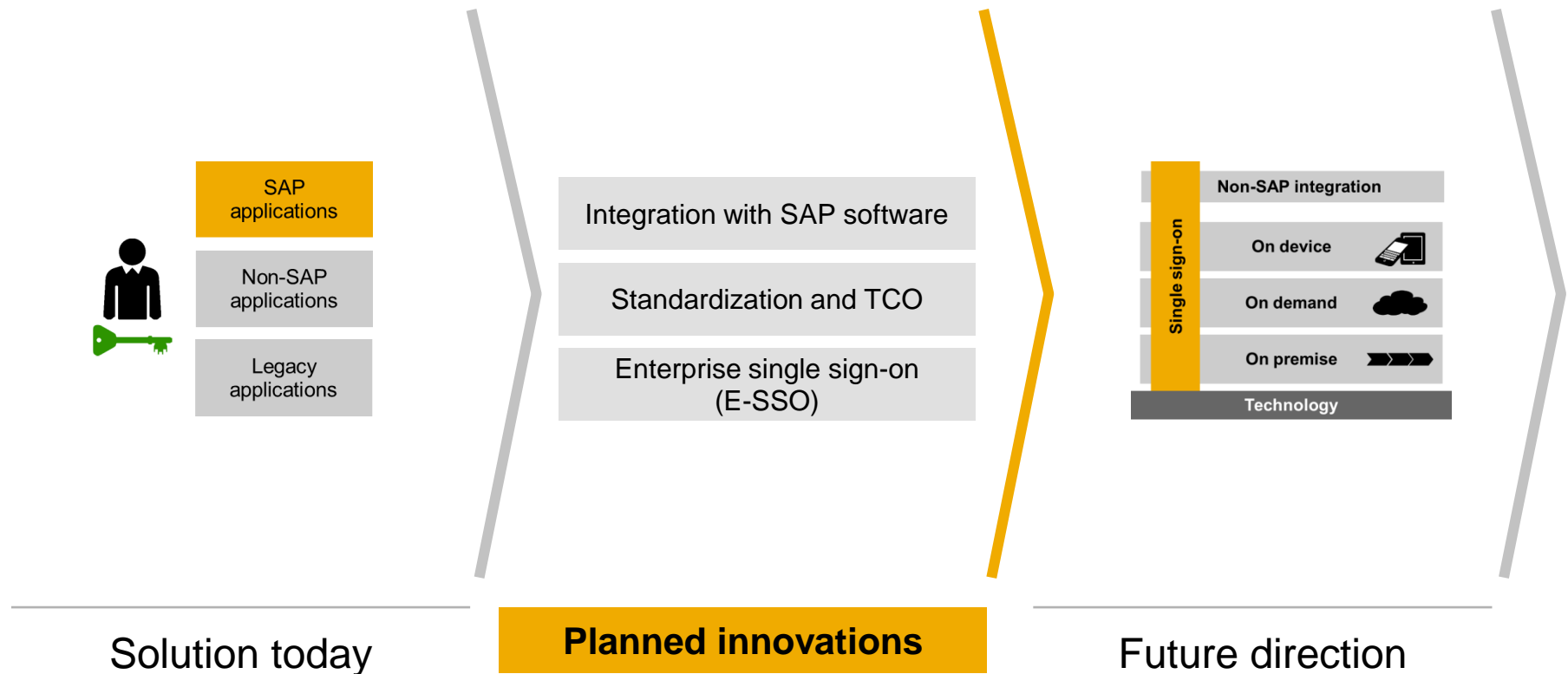
Key links for more Information

For customers and partners

- [SAP help portal](#)
- [Security on SAP Service Marketplace](#)
- [SAP Community Network](#)
- [Simplify business users' experience and enhance security with single sign-on](#)
- [SAP NetWeaver Single Sign-On for high-productivity and security in your company](#)

Solution today

Overview of SAP NetWeaver Single Sign-On



Integration with SAP software

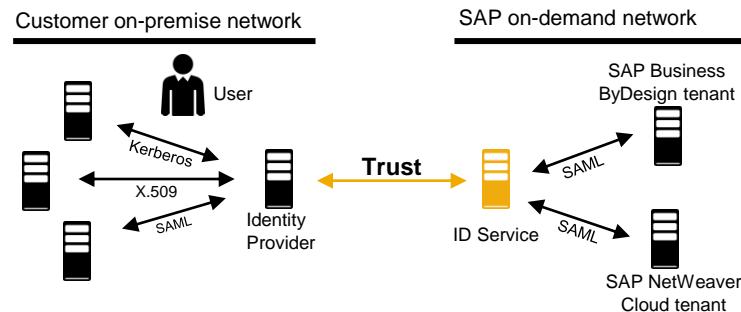
Single sign-on

Solution enhancements

- SAML integration with ID service
- Incorporation of new SAP solutions
- SPNEGO* support for SAP NetWeaver (ABAP) Web access
- Integration with SAP NetWeaver Identity Management to configure user settings

Key benefits

- Single sign-on solution for cloud and on-premise applications
- Comprehensive single sign-on solution for SAP and non-SAP applications
- Supplementary Web single sign-on functionalities (SPNEGO) reduce the TCO for small IT landscapes
- Reduced user management costs in conjunction with SAP NetWeaver Identity Management



*Simple and Protected GSSAPI Negotiation Mechanism

Planned innovations

Standardization and TCO optimization

Single sign-on

Solution enhancements

- Enhanced SAML implementation:
 - IdP proxy, identity federation support, multitenancy enablement, and third-party login modules
- Incorporation of SAP standards to secure login server:
 - Logging and tracing
 - User management engine, secure key store, and standard language framework
 - New user interface for administration
- Federal Information Processing Standards (FIPS) certification for cryptography library
- Native client for Macintosh for SAP GUI Java and Microsoft Windows 8 support

Key benefits

- Cloud application enablement and integration of existing access management solutions
- Benefits of standardization:
 - Reduced administrative training costs
 - User efficiency
 - Support for global businesses: best-in-class support of languages, localization, and accessibility
- Ability to meet legal compliance goals
- Better support for customer's client operation system strategy

Planned innovations

Non-standardized authentication mechanisms

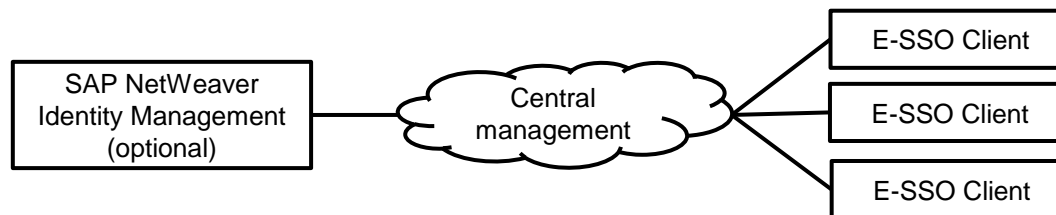
Secure password storage and management

Solution enhancements

- Credential roaming
- Support for password-protected Microsoft Office and Adobe PDF documents
- Simplified smart-card support
- User interface improvements

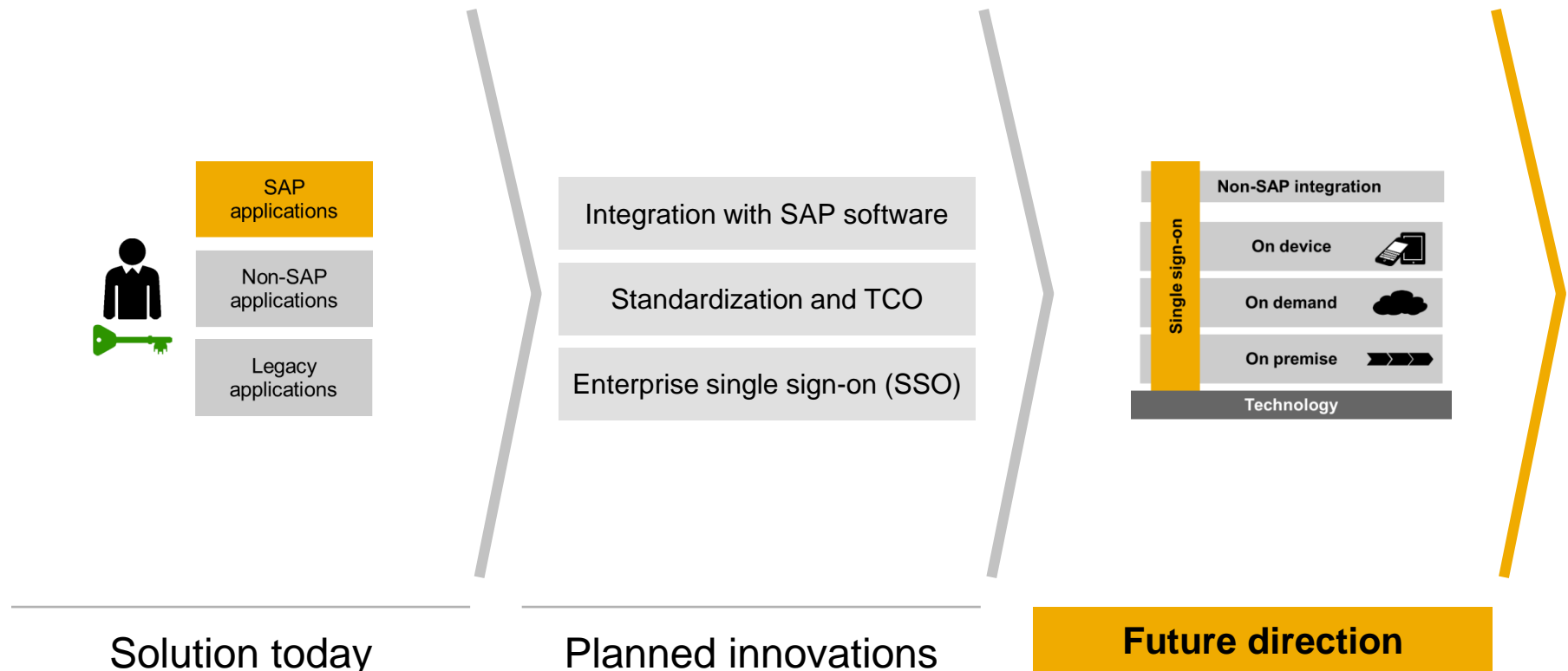
Key benefits

- Meet compliance goals and improve security
- End to end password management in combination with SAP NetWeaver Identity Management
- Secure password store provides fallback scenario for user/password authentication
- Increased security for office documents
- Use simplified smart-card support that helps with the introduction of two-factor authentication

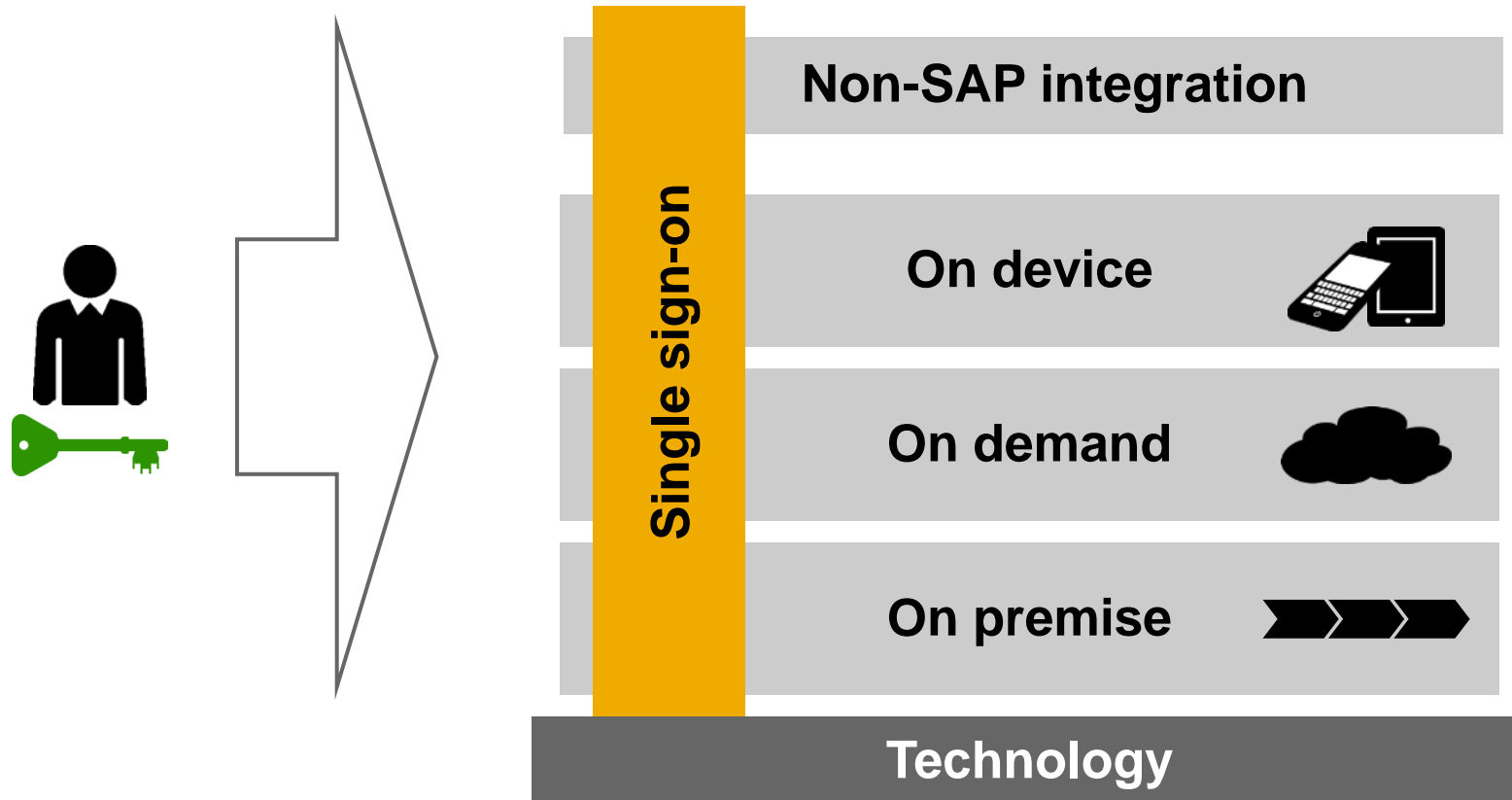


Planned innovations

Overview of SAP NetWeaver Single Sign-On



SAP's strategy and SAP NetWeaver Single Sign-On



Future direction



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