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Two factor authentication (2FA)

Two-factor authentication (2FA), often also called two-factor authentication, describes a user's proof of identity by means of a combination of two different and, in particular, independent components (factors). Typical examples are bank cards and PINs for ATMs, fingerprints and access codes in buildings, or passphrase and transaction number (TAN) for online banking.

2FA in BlueSpice

The extensions [OATHAuth](#) und [Webauthn](#) make it possible to implement 2FA in BlueSpice. Both extensions are deactivated in BlueSpice 3.2.x by default. They have to be configured explicitly after activation.

- OATHAuth enables 2FA via one-time password
- WebAuthn enables 2FA via FIDO sticks, Windows Hello!, etc.

Single-sign on (SSO): If an external authentication source (SAML, OpenIDConnect und LDAP) is implemented, we recommend to execute 2FA within these sources and not inside the wiki. Compatibility with SAML, OpenIDConnect or LDAP have not yet been tested in BlueSpice.

2FA is not possible with true SSO (LDAP/Kerberos).

2FA in BlueSpice

Extension	3.2x	BS 4.0 (cloud)	BS 4.1
OATHAuth	deactivated	activated	activated
Webauthn	not included, but can be installed manually	not available	activated

Reference:OATHAuth

Extension\: OATHAuth

Overview			
Description:	Provides authentication support using HMAC-based one-time passwords		
State:	stable	Dependency:	MediaWiki
Developer:	Ryan Lane	License:	GPL v2+ and GPL v3+
Type:	MediaWiki	Category:	Infrastructure

Overview	
Edition:	BlueSpice Cloud, BlueSpice free (deactivated), BlueSpice pro (deactivated), BlueSpice Farm (deactivated)
For more info, visit Mediawiki .	

Features

The **OATHAuth** extension is a time-based one-time password [1] (TOTP) implementation. It provides two-factor authentication [2] via something you have (your phone or desktop client) and something you know (your user name/password). Client support is available for most feature phones, smartphones and desktops (see Client implementations [3]).

For more information please visit [MediaWiki](#)..

Reference:WebAuthn

Extension\: WebAuthn

Overview			
Description:	Module for the OATHAuth extension that provides authentication using the WebAuthn API. (starting at v.4.1)		
State:	beta	Dependency:	MediaWiki
Developer:	HalloWelt	License:	GPL v2
Type:	MediaWiki	Category:	Infrastructure
Edition:	BlueSpice pro, BlueSpice Farm, BlueSpice Cloud		
For more info, visit Mediawiki .			

Features

Important! This extension will be bundled with BlueSpice 4.1 (currently in development)

WebAuthn is a module for [OATHAuth](#) extension that provides authentication using the [WebAuthn](#) API.

Usage / features

WebAuthn enables support for logging-in using physical security tokens or biometric sensors along with regular password.

Technical information

For more information about installation and browser support, visit mediawiki.org.

Rights (permissions)

This extension does not provide any special rights.

Requirements

WebAuthn requires the extensions [OATHAuthand GMP php](#) to be installed.