

Oracle Health Certified Health IT Multi-Factor Authentication (MFA) Use-Cases

Oracle Health EHR

The Oracle Health EHR supports multi-factor authentication (MFA) using industry standards in alignment with the Assistant Secretary for Technology Policy and Office of the National Coordinator for Health IT's (ASTP/ONC) Multi-factor authentication criterion at 45 CFR 170.315(d)(13) for Electronic Prescribing of Controlled Substances (EPCS).

MFA for EPCS on the Oracle Health EHR is supported via **Cerner Cloud Second Factor with Cerner OTP Generators (TOTP Token) and Cerner RADIUS Second Factor Federation Adapter for Cerner Millennium (RADIUS)**. This provides an MFA solution that does not require third-party software or hardware licenses. Cerner Cloud Second Factor with Cerner OTP generators leverages the [open security standard Time-Based One-Time Passcode \(TOTP\) algorithm](#) to enable an Oracle Health EHR user to use their mobile device as a "something-the-user-has" second factor.

Additionally, Oracle Health EHR supports identity federation via SAML 2.0 Web Browser SSO Profile, which allows customers – at their discretion – to incorporate a custom identity provider (IdP) that could support MFA for initial system login. Please note that third-party IdP integration has some capability limitations that may prevent customers using certain third-party software from fully realizing the benefits of identity federation.

Oracle Health Millennium (Clinical), Oracle Health Millennium (Immunizations), Oracle Health Millennium (Health Care Surveys)

Oracle Health Millennium PowerChart and FirstNet (Emergency Medicine) applications support MFA using industry standards in alignment with the Assistant Secretary for Technology Policy and Office of the National Coordinator for Health IT's (ASTP/ONC) Multi-factor authentication criterion at 45 CFR 170.315(d)(13) for the following workflows:

- Initial system login (currently limited to specific market segments)
- Electronic Prescribing of Controlled Substances (EPCS)
- Validation of pharmacy orders requested during the placement of an order by a clinician
- Re-authentication upon signature for administration of medications

MFA for initial system login is supported in limited market segments utilizing **Duo**. In this use-case, the MFA is applied upstream at the Citrix storefront, which serves as the access point for the EHR system.

The following MFA options are supported for EPCS, validation of pharmacy orders, and re-authentication upon signature for administered medications workflows:

- **Cerner Cloud Second Factor with Cerner OTP Generators (TOTP Token):** Oracle Health provides an MFA solution that does not require third-party software or hardware licenses. Cerner Cloud Second Factor with Cerner OTP generators leverages the [open security standard Time-Based One-Time Passcode \(TOTP\) algorithm](#) to enable an Oracle Health Millennium user to use their mobile device as a "something-the-user-has" second factor.
- **Cerner RADIUS Second Factor Federation Adapter for Cerner Millennium (RADIUS):** Oracle Health offers a Cerner [RADIUS](#) Second Factor Federation Adapter for Oracle Health Millennium that can be used to integrate Oracle Health Millennium with your authentication solution to validate the user's second factor (the one-time passcode) in an MFA workflow.
- **Direct integration with [Imprivata Confirm ID](#).**

Additionally, Oracle Health Millennium supports identity federation via SAML 2.0 Web Browser SSO Profile, which allows customers – at their discretion – to incorporate a custom identity provider (IdP) that could support MFA for desired use-cases. Please note that third-party IdP integration has some capability limitations that may prevent customers using certain third-party software from fully realizing the benefits of identity federation.

Soarian Clinicals

Soarian Clinicals supports MFA using industry standards in alignment with the Office of the National Coordinator for Health IT's (ONC) Multi-factor authentication criterion at 45 CFR 170.315(d)(13) for the ePrescribing Controlled Substances (EPCS) workflow.

The Imprivata Confirm ID Integration MFA option is supported for the above workflow. Direct integration with [Imprivata Confirm ID](#).