

Target audience
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The Nets Passport Reader SDK UX makes use of different UI resources like fonts, colors, drawables, dimensions, text/strings and layouts. To adapt the style of the Nets Passport Reader SDKs to the style of your app, it is possible to override these resources on Android & iOS platform.

1.1.1. Customization (Android)

Fonts
<p>Fonts can be changed by overriding the used font resources.</p> <p>The fonts are located in /res/ font and have the following names and functions:</p> <ul style="list-style-type: none">readid_text_font.ttf <p>By default Karbon regular.</p> <p>Used for normal text, labels and values.</p> <ul style="list-style-type: none">readid_title_font.ttf <p>Used for screen titles.</p> <ul style="list-style-type: none">readid_button_font.ttf <p>By default Karbon Bold.</p> <p>Used for primary and secondary buttons.</p> <ul style="list-style-type: none">readid_text_button_font.ttf <p>Used for the "Skip reading" button on the NFC read screen.</p> <ul style="list-style-type: none">readid_ocr_b.ttf <p>By default OCR B.</p> <p>Used as MRZ placeholder while VIZ scanning and on the result screens for MRZ values.</p> <p>Note: should not be overridden, otherwise shown MRZs will look unformatted and comparison from MRZ value and photo crop will be more difficult for the user.</p>
Colors
<p>Common colors</p> <p><!-- common color for buttons, progress bars, tab indicators and accent color in dialogs</p> <p><color name="ntdr_color_primary">#0280a7</color></p> <p><color name="ntdr_color_primaryDark">#005776</color></p> <p><color name="ntdr_color_accent">#90005776</color></p> <p><!-- common color for pressed buttons and status bar --></p> <p><color name="ntdr_color_primary_button">#0280a7</color></p> <p><color name="ntdr_color_primary_title">#005776</color></p> <p><color name="ntdr_color_buttonDisable">#90005776</color></p> <p><color name="ntdr_background_color">#ffffff</color></p> <p><color name="readid_os_status_bar_color">#ffffff</color></p> <p><!-- common color for buttons --></p> <p><color name="readid_secondary_color">#86754D</color></p>

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```
<!-- common color for pressed buttons -->
<color name="readid_secondary_pressed_color">#50462E</color>

<!-- common color for header and screen background -->
<color name="readid_background_color">#FFFFFF</color>
```

Status bar

```
<!-- will change the status bar color -->
<color name="readid_status_bar_color">@color/readid_background_color</color>

<!-- will change the status bar text color to dark (has no effect on
Android API level < 23) -->
<bool name="readid_status_bar_dark_text">false</bool>
```

OS status bar

```
<!-- will change the status bar color -->
<color name="readid_os_status_bar_color">@color/ntdr_color_primaryDark</color>

<!-- will tell the OS that a light status bar color is used and will give the text more contrast (has no effect on
Android API level < 23)
<bool name="readid_os_window_light_status_bar">false</bool>
```

OS navigation bar

```
<!-- will change the OS navigation bar color -->
<color name="readid_os_navigation_bar_color">@color/readid_background_color</color>

<!-- will change the OS navigation bar divider color (has no effect on
Android API level < 27)
<color name="readid_os_navigation_bar_divider_color">#00000000</color>

<!-- will tell the OS that a light navigation bar color is used and will give the symbols more contrast (has no effect on
Android API level < 27)
<bool name="readid_os_window_light_navigation_bar">false</bool>
```

Text

```
<!-- will change the textfield color -->
<color name="ntdr_color_subtitle">#cc070010</color><!--80%-->
<color name="ntdr_color_textFieldTextColor">#99070010</color><!--60%-->
<color name="ntdr_color_textFieldBorder">#33070010</color><!--60%-->
<color name="readid_placeholder_text_color">#757575</color>
<color name="readid_input_field_border_color">@color/ntdr_color_primary</color>
<color name="readid_microcopy_text_color">#666666</color>

<!-- will change the default text color -->
<color name="readid_text_color">#000000</color>

<!-- will change the H2 text color (result screen section titles) -->
<color name="readid_h2_text_color">#666666</color>
```

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```
<!-- will change the H2 background color -->
<color name="readid_h2_background_color">#E5E5E5</color>

<!-- will change the default text color -->
<color name="readid_text_color">#000000</color>

<!-- will change the H2 text color (result screen section titles) -->
<color name="readid_h2_text_color">#666666</color>

<!-- will change the H2 background color -->
<color name="readid_h2_background_color">#E5E5E5</color>

<!-- will change the MRZ wireframe color -->
<color name="readid_wireframe_color">#FFFFFF</color>
<!-- will change the dark transparent background color around the MRZ wireframe -->
<color name="readid_wireframe_dark_background_color">#80000000</color>
<!-- this will change the light transparent background color in the top part of the wireframe -->
<color name="readid_wireframe_light_background_color">#40000000</color>
<!-- will change the section header background color (resultscreens)
<color name="readid_section_header_background_color">#E5E5E5</color>

<!-- will change the default text color -->
<color name="readid_text_color">#000000</color>
<!-- will change the section header text color (result screens)
<color name="readid_section_header_text_color">@color/readid_text_color</color>
<!-- will change the section header background color (resultscreens) -->
<color name="readid_section_header_background_color">#E5E5E5</color>

Progress bar

<!-- will change the progress bar color
<color name="readid_progress_bar_color" tools:override="true">@color/colorPrimary</color>

Primary button

<!-- will change the primary button colors
<color name="readid_primary_button_color" >@color/colorBlueButton</color>
<color name="readid_primary_button_pressed_color" >@color/colorPrimaryDark</color>
<color name="readid_primary_button_disabled_color" >@color/ntdr_color_buttonDisable</color>
<color name="readid_primary_button_text_color" >@color/colorWhite</color>
<color name="readid_primary_button_pressed_text_color" >@color/colorWhite</color>
<color name="readid_primary_button_disabled_text_color" >@color/colorWhite</color>
<color name="readid_primary_button_border_color" >@color/colorPrimary</color>
<color name="readid_primary_button_pressed_border_color" >@color/colorAccent</color>
<color name="readid_primary_button_disabled_border_color" >@color/ntdr_color_buttonDisable</color>
```

Secondary button

```
<!-- will change the secondary button colors -->

<color name="readid_secondary_button_color" >@color/colorBlueButton</color>

<color name="readid_secondary_button_pressed_color" >@color/colorPrimaryDark</color>

<color name="readid_secondary_button_disabled_color" >@color/ntdr_color_buttonDisable</color>

<color name="readid_secondary_button_text_color" >@color/colorWhite</color>

<color name="readid_secondary_button_pressed_text_color" >@color/colorWhite</color>

<color name="readid_secondary_button_disabled_text_color" >@color/colorWhite</color>

<color name="readid_secondary_button_border_color" >@color/colorBlueButton</color>

<color name="readid_secondary_button_pressed_border_color" >@color/colorAccent</color>

<color name="readid_secondary_button_disabled_border_color" >@color/ntdr_color_buttonDisable</color>
```

MRZ icon button

```
<!-- will change the icon buttons colors on the MRZ screen -->

<color name="readid_button_icon_color">@color/colorPrimary</color>

<color name="readid_button_icon_pressed_color">@color/colorPrimaryDark</color>

<color name="readid_button_icon_disabled_color">@color/colorButtonDisable</color>
```

VIZ wireframe

```
<!-- will change the VIZ wireframe color -->

<color name="readid_viz_wireframe_color">#FFFFFF</color>

<!-- this will change the VIZ status text color

<color name="readid_status_text_color">#FFFFFF</color>

<!-- this will change the VIZ status text background color -->

<color name="readid_status_background_color">#9A000000</color>
```

Loading views

```
<!-- will change the spinner and progress bar color -->

<color name="readid_loading_color">@color/ntdr_color_primary</color>
```

Divider

```
<!-- will change the horizontal divider line color on the result screens -->

<color name="readid_divider_color">@color/divideColor</color>
```

Row separator

```
<!-- will change the horizontal divider line color on the resultscreens -->

<color name="readid_row_separator_color">@color/readid_section_header_background_color</color>
```

Success, error and warning colors

```
<!-- will change the success/error/warning text color on the VIZcapture and result screens -->

<color name="readid_success_color">#077D55</color>
```

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```
<color name="readid_warning_color">#FF8C00</color>
```

```
<color name="readid_error_color">#B00020</color>
```

Passport colors

```
<!-- will change the colors used for the passport in animations -->
```

```
<color name="readid_passport_color">#5c2633</color>
```

```
<color name="readid_passport_symbol_color">#b59d57</color>
```

```
<color name="readid_passport_inner_page_color">#e7cbca</color>
```

```
<color name="readid_passport_inner_page_content_color">#7a5864</color>
```

Drawables

The header logo can be changed by overriding:

```
/res/drawable/readid_header_image.png
```

The face scan cancel icon can be changed by overriding:

```
/res/drawable-nodpi/ntdr_facescan_cancel_icon.xml
```

Dimensions

Margin

```
<!-- will change the default text field size -->
```

```
<dimen name="ntdr_text_field_margin">20dp</dimen>
```

```
<dimen name="ntdr_text_field_corner_radius">4dp</dimen>
```

```
<dimen name="ntdr_text_field_stroke_width">1dp</dimen>
```

```
<!-- will change the default screen padding and margins between views -->
```

```
<dimen name="readid_margin">40dp</dimen>
```

```
<!-- will change the vertical margin between values on the result screens -->
```

```
<dimen name="readid_margin_small">8dp</dimen>
```

Header

```
<!-- will change the header height -->
```

```
<dimen name="ntdr_header_height">56dp</dimen>
```

```
<!-- will change the header logo width
```

```
<dimen name="readid_header_logo_width">-2dp</dimen>
```

```
<!-- will change the header logo height
```

```
<dimen name="readid_header_logo_height">-2dp</dimen>
```

Text

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```
<!-- will change the default text size
<dimen name="readid_text_size">16sp</dimen>

<!-- will change the title text size -->
<dimen name="readid_text_size_title">18sp</dimen>

<!-- will change the section header text size (result screen section titles) -->
<dimen name="readid_text_size_section_header">18sp</dimen>

<!-- will change the icon button text size -->
<dimen name="readid_button_icon_text_size">12sp</dimen>

<!-- will change the manual input error message text size -->
<dimen name="readid_input_field_error_text_size">12sp</dimen>

<dimen name="ntdr_text_size">16sp</dimen>

<dimen name="ntdr_text_size_h1">14sp</dimen>

<dimen name="ntdr_text_size_h2">20sp</dimen>

<dimen name="ntdr_text_size_h3">24sp</dimen>

<!-- will change the H2 text size (result screen section titles) -->

<dimen name="readid_text_size_h2">18sp</dimen>

<!-- will enable/disable all caps for the navigation buttons
<bool name="readid_button_all_caps">false</bool>
```

Primary/secondary button

```
<!-- will change the primary and secondary buttons -->

<dimen name="ntdr_button_text_size">16sp</dimen>

<dimen name="readid_button_height">60dp</dimen>

<dimen name="readid_button_corner_radius">30dp</dimen>

<dimen name="readid_button_text_size">16sp</dimen>

<dimen name="readid_button_stroke_width">1dp</dimen>

<bool name="readid_button_all_caps">false</bool>
```

Icon buttons

```
<!-- will change the icon buttons

<dimen name="readid_button_icon_size">40dp</dimen>
```

Wireframe

```
<!-- will change the padding around the MRZ wireframe -->

<dimen name="readid_wireframe_padding">8dp</dimen>

<!-- will change the MRZ wireframe stroke width -->

<dimen name="readid_wireframe_stroke_width">1dp</dimen>

<!-- will change the MRZ wireframe stroke width and corner radius -->

<dimen name="readid_wireframe_stroke_width">3dp</dimen>

<dimen name="readid_wireframe_corner_radius">24dp</dimen>
```

Strings

All the text in the SDK can be overridden in the app by adding a new strings.xml file to the app's values-<LOCALE> folder.

Below you find a list of strings that you can override (this is the default framework strings for English):

```
<!-- will change common buttons text & messages-->

<string name="ok" >OK</string>
```

```
<string name="cancel" >Cancel</string>

<string name="settings" >Settings</string>

<string name="please_wait" >Please wait</string>

<string name="try_again" >Try again</string>

<string name="sorry" >Sorry</string>

<string name="message_try_again" >Please try again.</string>


<!-- will change alert dialog message-->

<string name="ntdr_alert_dialog_subtitle_terminate_process" >Are you sure, you want to terminate the process?.</string>

<string name="ntdr_alert_dialog_yes" >Yes</string>

<string name="ntdr_alert_dialog_no" >No</string>

<string name="ntdr_alert_dialog_nfc_not_enabled_error" >NFC not enabled</string>

<string name="ntdr_alert_dialog_nfc_not_enabled_error_desc" >Please enable NFC from the device settings dialog before continuing.</string>

<string name="ntdr_alert_dialog_camera_not_enabled_error_desc" >Camera Services permission are required for this app. You may need to restart the device.</string>


<!--will change Warnings and errors message-->

<string name="status_bad_facemap_error" >Facemap posted to server is of unknown format. Please try again.</string>

<string name="status_bad_protocol_error" >Bad request,the application sent unexpected data.</string>

<string name="status_bad_biodata_error" >Biodata could not be verified.</string>

<string name="status_bad_biodata_doctype_error" >Unexpected document type.</string>

<string name="status_bad_biodata_expire_error" >Document expired.</string>

<string name="status_bad_biodata_issuer_error" >Unexpected document issuer.</string>

<string name="status_invalid_device_request_error" >App is out of sync with the server session.</string>

<string name="status_invalid_activation_code_error" >Activation code is invalid.</string>

<string name="status_invalid_device_code_error" >Unknown device code. The application is not supported.</string>

<string name="status_unknown_init_code_error" >Invalid init code</string>

<string name="status_invalid_session_error" >Too many login attempts.</string>

<string name="status_network_error" >Check your internet connection and try again.</string>

<string name="status_auth_failed_error" >Authentication failed.</string>

<string name="status_unknown_error" >Unknown error</string>

<string name="readid_background_timeout" >Background timeout. Please try again.</string>

<string name="readid_session_expired_error" >Session expired. Please try again.</string>

<string name="readid_authorization_error" >Authorization error. Please try again.</string>

<string name="readid_server_session_error" >Server session error. Please try again.</string>

<string name="readid_ssl_error" >SSL error. Please try again.</string>

<string name="readid_nfc_access_control_error" >NFC access control error. Please try again.</string>

<string name="readid_connection_error" >Connection error. Please try again.</string>

<string name="readid_nfc_error" >NFC error. Please try again.</string>

<string name="readid_user_cancelled" >User Cancelled. Please try again.</string>

<string name="readid_camera_permission_error" >Camera permission error. Please try again.</string>

<string name="readid_no_chip" >No chip.</string>

<string name="readid_unsupported_documents" >Not supported document. Please try again.</string>

<string name="readid_wrong_document_type" >Wrong document error. Please try again.</string>
```

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```
<string name="readid_too_many_requests" >Too many request error. Please try again.</string>

<!--will change QR code scan-->
<string name="ntdr_scan_qr_button">Scan QR code</string>
<string name="ntdr_signing_process_title" >Get Started</string>
<string name="ntdr_signing_process_sub_title" >Enter activation code</string>
<string name="ntdr_label_or" >Or</string>
<string name="ntdr_hint_enter_activation_code" >6-digit activation code</string>
<string name="ntdr_enter_activation_code_error_msg" >Please enter 6-digit activation code.</string>
<string name="ntdr_activation_code_error_msg" >Activation code must be 6-digit.</string>
<string name="ntdr_session_join_success_message" >NPR Session initialized successfully!!!</string>
<string name="ntdr_scan_qr_code_header" >Scan QR code</string>
<string name="ntdr_unknown_qr_code_title" >Invalid QR code</string>
<string name="ntdr_unknown_qr_code_error_msg" >Please try to scan another QR code.</string>

<!--will change document scan-->
<string name="ntdr_scan_passport_button">Next</string>
<string name="ntdr_title_scan_doc_title" >Select ID type</string>
<string name="ntdr_label_scan_doc_decs" >Your identification document must have a biometric chip. If in doubt, choose passport.</string>

<string name="readid_next" >Next</string>
<string name="readid_ok" >OK</string>
<string name="readid_cancel" >Cancel</string>
<string name="readid_try_again" >Try Again</string>
<string name="readid_settings" >Settings</string>
<string name="readid_repeat_scan">Repeat scan</string>
<string name="readid_start_over" >Start Over</string>
<string name="readid_close" >Close</string>
<string name="readid_selection_text" >What type of document do you want to use?</string>
<string name="readid_passport" >Passport</string>
<string name="readid_id_card" >Residence card</string>
<string name="readid_drivers_license" >Driving license</string>
<string name="readid_viz_animation_primary_button">Next</string>
<string name="readid_viz_manual_input_primary_button">Next</string>
<string name="readid_viz_confirmation_primary_button">Next</string>
<string name="readid_viz_result_primary_button">Next</string>
<string name="readid_nfc_animation_primary_button">Next</string>
<string name="readid_nfc_result_primary_button">Next</string>
<string name="readid_viz_confirmation_secondary_button">Next</string>

<!-- VIZ result values -->
<string name="readid_passed">Passed</string>
<string name="readid_failed">Failed</string>
<string name="readid_degraded">Degraded</string>
```


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```
<string name="readid_disabled">Disabled</string>
<string name="readid_not_required">Not required</string>
<string name="readid_required">Required</string>
<string name="readid_preferred">Preferred</string>
<string name="readid_identity_card_front">Identity card front</string>
<string name="readid_identity_card_back">Identity card back</string>
<string name="readid_driving_licence_front">Driving licence front</string>
<string name="readid_driving_licence_back">Driving licence back</string>
<string name="readid_automatic">Automatic</string>
<string name="readid_automatic_degraded">Automatic and degraded</string>
<string name="readid_manual">Manual</string>

<!--will change Face scan-->
<string name="ntdr_scan_face_button" >Next</string>
<string name="ntdr_scan_face_title" >Take a selfie</string>
<string name="ntdr_facescan_decs" >Face recognition is performed to verify your identity. This is to make sure that you are the legitimate document owner.</string>
<string name="ntdr_facescan_enrollment_success" >Complete</string>
<string name="ntdr_facescan_enrollment_success_message" >Facescan data enrolled successfully!!!</string>
<string name="ntdr_facescan_unknown_error" >Something went wrong! Let's try again with a selfie.</string>
<string name="FaceTec_action_ok" >OK</string>
<string name="FaceTec_action_im_ready" >Next</string>
<string name="FaceTec_action_try_again">Try Again</string>
<string name="FaceTec_accessibility_cancel_button">Cancel</string>
<string name="FaceTec_accessibility_torch_button">Toggle Light</string>
<string name="FaceTec_accessibility_tap_guidance">Double tap anywhere on the screen for face alignment guidance.</string>
<string name="FaceTec_accessibility_feedback_move_phone_away">Face Too Close</string>
<string name="FaceTec_accessibility_feedback_move_phone_closer">Face Too Far Away</string>
<string name="FaceTec_accessibility_feedback_face_too_far_left">Face Too Far Left</string>
<string name="FaceTec_accessibility_feedback_face_too_far_right">Face Too Far Right</string>
<string name="FaceTec_accessibility_feedback_face_too_low">Face Too Low</string>
<string name="FaceTec_accessibility_feedback_face_too_high">Face Too High</string>
<string name="FaceTec_accessibility_feedback_face_rotated_too_far_left">Face Rotated Too Far Left</string>
<string name="FaceTec_accessibility_feedback_face_rotated_too_far_right">Face Rotated Too Far Right</string>
<string name="FaceTec_accessibility_feedback_face_pointing_too_far_left">Face Pointing Too Far Left</string>
<string name="FaceTec_accessibility_feedback_face_pointing_too_far_right">Face Pointing Too Far Right</string>
<string name="FaceTec_accessibility_feedback_face_not_on_camera">Face Not On Camera</string>
<string name="FaceTec_accessibility_feedback_hold_device_to_eye_level">Hold Device At Eye Level</string>
<string name="FaceTec_instructions_header_ready_1">Please place your face</string>
<string name="FaceTec_instructions_header_ready_2">in the frame</string>
<string name="FaceTec_instructions_message_ready_1"></string>
<string name="FaceTec_instructions_message_ready_2"></string>
<string name="FaceTec_feedback_face_not_looking_straight_ahead" >Look straight ahead</string>
<string name="FaceTec_feedback_move_phone_closer" >Move closer</string>
```

```
<string name="FaceTec_feedback_move_phone_away" >Move away</string>
<string name="FaceTec_feedback_hold_steady" >Hold steady</string>
<string name="FaceTec_feedback_move_phone_even_closer" >Even closer</string>
<string name="FaceTec_feedback_move_phone_to_eye_level" >Raise camera up to eye level</string>
<string name="FaceTec_presession_frame_your_face">Frame Your Face In The Oval</string>
<string name="FaceTec_presession_position_face_straight_in_oval">Look Straight Ahead</string>
<string name="FaceTec_presession_hold_steady_3">Hold Steady For: 3</string>
<string name="FaceTec_presession_hold_steady_2">Hold Steady For: 2</string>
<string name="FaceTec_presession_hold_steady_1">Hold Steady For: 1</string>
<string name="FaceTec_presession_eyes_straight_ahead">Look Straight Ahead</string>
<string name="FaceTec_presession_remove_dark_glasses">Remove Dark Glasses</string>
<string name="FaceTec_presession_neutral_expression">Neutral Expression, No Smiling</string>
<string name="FaceTec_presession_conditions_too_bright">Conditions Too Bright</string>
<string name="FaceTec_presession_brighten_your_environment">Brighten Your Environment</string>
<string name="FaceTec_result_facescan_upload_message" >Verifying...</string>
<string name="FaceTec_result_success_message">Success</string>
<string name="FaceTec_retry_header">Let's try that again...</string>
<string name="FaceTec_retry_subheader_message">We need a clearer video selfie.</string>
<string name="FaceTec_retry_instruction_message_1" >Neutral expression, No smiling\n</string>
<string name="FaceTec_retry_instruction_message_2" >No glare or extreme lighting</string>
<string name="FaceTec_retry_instruction_message_3">Too blurry, Clean your camera</string>
<string name="FaceTec_retry_your_image_label" >Your selfie</string>
<string name="FaceTec_retry_ideal_image_label" >Ideal pose</string>

<!--will change facetec SDK's internal error-->

<string name="FaceTec_error_non_production_mode_key_invalid" >Validation of the key (supplied in FaceTecSDK.initialize) did not succeed.</string>

<string name="FaceTec_error_non_production_network_required" >Session cancelled because a network connection is required in non-production apps.</string>

<string name="FaceTec_error_user_cancelled" >User cancelled before completing session.</string>

<string name="FaceTec_error_non_user_cancelled_via_hardware_button" >User cancelled before completing session.</string>

<string name="FaceTec_error_session_unsuccessful" >The Session was not performed successfully and a FaceScan was not generated.</string>

<string name="FaceTec_error_camera_permission_denied" >Camera is required but access prevented by user settings.</string>

<string name="FaceTec_error_encryption_key_invalid" >Session cancelled because encryption key invalid.</string>

<string name="FaceTec_error_timeout" >Session cancelled due to timeout.</string>

<string name="FaceTec_error_context_switch" >Session cancelled because a Context Switch occurred during session.</string>

<string name="FaceTec_error_camera_initialization_issue" >Session failed because of an unexpected camera error.</string>

<string name="FaceTec_error_unknown_internal_error" >Session failed because of an unhandled internal error.</string>

<string name="FaceTec_error_landscape_mode_not_allowed" >Session cancelled because device is in landscape mode.</string>

<string name="FaceTec_error_reversse_potrait_not_allowed" >Session cancelled because device is in reverse portrait mode.</string>

<string name="FaceTec_error_locked_out" >FaceTec SDK is in a lockout state.</string>

<string name="FaceTec_error_missing_guidance_images" >Session cancelled because guidance images were not provided.</string>

<string name="FaceTec_error_user_cancelled_via_clickable_ready_screen_subtext" >Session cancelled because user pressed the Get Ready screen subtext message.</string>
```

Layouts (Android)

The header bar can be changed by overriding:

/res/layout/readid_header.xml

For example:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="@dimen/ntdr_header_height"
    android:background="@color/readid_header_color">
    <ImageView
        android:id="@+id/ivLogo"
        android:layout_width="@dimen/readid_header_logo_width"
        android:layout_height="@dimen/readid_header_logo_height"
        android:layout_centerInParent="true"
        android:layout_centerVertical="true"
        android:layout_marginStart="@dimen/readid_margin"
        android:layout_marginEnd="@dimen/readid_margin"
        android:layout_marginTop="@dimen/readid_margin_small"
        android:layout_marginBottom="@dimen/readid_margin_small"
        android:adjustViewBounds="true"
        android:scaleType="fitCenter"
        android:src="@drawable/readid_header_image"/>
    <View
        android:layout_width="match_parent"
        android:layout_height="1dp"
        android:layout_alignParentBottom="true"
        android:background="?android:attr/listDivider"/>
</RelativeLayout>
```

The progress bar can be changed by overriding:

/res/layout/readid_progress_bar.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ProgressBar xmlns:android="http://schemas.android.com/apk/res/android"
    style="?android:attr/progressBarStyle"
    android:id="@+id/pbProgress"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:saveEnabled="false"
    android:indeterminateTint="@color/readid_progress_bar_color"/>
```

Alert dialog style

In the SDK shown alert dialogs are using a custom theme called readid_dialog_theme. This theme can be overridden by adding a style/theme with the same name to your app.

```
<style name="readid_dialog_theme" parent="your or Android alert dialog theme"/>
```

1.1.2. Customizations (iOS)

NtdrSDK Theme Object: Document Scan

```
api?.sdkTheme?.selectIDTitleText = "Select ID type"

api?.sdkTheme?.selectIDDescriptionText = "Your identification document must have a biometric chip. If in doubt, choose passport. "

api?.sdkTheme?.selectIDPassportOptionText = "  Passport"

api?.sdkTheme?.selectIDResidentCardOptionText = "  Residence Card"

api?.sdkTheme?.selectIDNextButtonTitle = "Next"

ThemeCustomization.passportScanViewCustomization().
```

NtdrSDK Theme Object: Face Verification

```
api?.sdkTheme?.faceScanIntroTitle = "Take a selfie "

api?.sdkTheme?.faceScanIntroDescription = "Face recognition is performed to verify your identity. This is to make sure that you are the legitimate document owner. "

api?.sdkTheme?.faceScanIntroNextButtonTitleColor = .blue

api?.sdkTheme?.faceScanIntroNextButtonBackgroundColor = .white

api?.sdkTheme?.faceScanIntroNextButtonTitle = "Next"

api?.sdkTheme?.faceVerificationUICustomization.

api?.sdkTheme?.faceScanSuccessMessageText = NSLocalizedString("FaceScan_SuccessMessage", comment: "")

api?.sdkTheme?.faceScanUploadMessage = NSLocalizedString("FaceScan_UploadMessage", comment: "")

api?.sdkTheme?.allowNFCSkipReadingAfterAttempts = -1 //To hide skip button on NFC flow. (Or you can give positive number to allow NFC Skip reading after that many attempts)
```

NtdrSDK Colors

4 SDK: User Interface

- Check NtdrSDK colors in Assets file of sample project, and copy & paste same in your app. Your app can add their own colors under same name
- Color Keys should be kept same. Below are the keys to which you should map colors in Assets file of your project. (Follow Sample App's Asset file for more clarity)
- Following are the color keys:

Ntdr.Black
Ntdr.Button.BackgroundColor
Ntdr.Button.TitleTextColor
Ntdr.HeaderTextColor
Ntdr.PrimaryColor
Ntdr.Progress.BackgroundColor
Ntdr.ProgressBar.EmptyColor
Ntdr.ProgressBar.FillColor
Ntdr.SecondaryColor
Ntdr.SubHeaderTextColor
Ntdr.Textfield.PlaceHolderColor
Ntdr.TextFiled.BorderColor
Ntdr.White

Document Scan Colors

readid_background_color
readid_icon_button_color
readid_icon_button_disabled_color
readid_icon_button_pressed_color
readid_loading_color
readid_passport_color
readid_passport_inner_page_color
readid_passport_inner_page_content_color
readid_passport_symbol_color
readid_primary_button_border_color
readid_primary_button_color
readid_primary_button_disabled_border_color
readid_primary_button_disabled_color
readid_primary_button_disabled_text_color
readid_primary_button_pressed_border_color
readid_primary_button_pressed_color
readid_section_header_background_color
readid_section_header_text_color
readid_viz_scan_navigation_bar_color

NtdrSDK Strings resource

```
"FaceScan_SuccessMessage" = "Complete";  
"FaceScan_UploadMessage" = "Still Uploading...";  
"Select_ID_Type" = "Choose whether you want to use passport or ID card";  
"Document_Scan_Info" = "Check if your passport or international ID card can be used on MitlD.dk/idkrav";  
"Passport_Option_Title" = "    Passport";  
"Residence_Card_Option_Title" = "    Residence Card";  
"Next_Button_Title_Doc_Option_Screen" = "Next";  
"Retry_Limit_Title" = "Sorry";  
"Retry_Limit_Message" = "Retry limit to connect to the server is reached.";
```

Calling Apps can place readid strings in separate 'strings' file and can specify the table name in the theme customization property like below:

ThemeCustomization.passportScanViewCustomization.customStringTableName = "ReadID_UI" //This way you can separate the strings from your App's strings in a different file.

NtdrSDK Strings resource for document flow

```
// Popup buttons  
/**  
Popups: readid_remove_document_message, readid_permission_required_error_title,  
readid_wrong_document_selected_error_title  
*/  
"readid_ok" = "OK";  
/**  
Popups: readid_connection_error_title, readid_permission_required_error_title, readid_no_chip_warning_title  
(on VIZ capture screen), readid_access_control_error_title, readid_nfc_not_enabled_title,  
readid_not_supported_chip_warning_title, readid_wrong_document_selected_error_title
```

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```
*/
"readid_cancel" = "Cancel";
// Popups: readid_permission_required_error_title, readid_nfc_not_enabled_title
"readid_settings" = "Settings";
// Popups: readid_access_control_error_title, readid_no_chip_warning_title
"readid_repeat_scan" = "Repeat scan";
/**
Popups: (only if skip reading is enabled) readid_access_control_error_title,
readid_not_supported_chip_warning_title, readid_no_chip_warning_title, readid_skip_reading (shown as a title)
*/
"readid_skip_reading" = "Skip reading";
// Popups: readid_not_supported_chip_warning_title, readid_no_chip_warning_title
"readid_try_anyway" = "Try anyway";
// Warnings and errors
// Connection error popup
"readid_connection_error_title" = "Connection error";
"readid_connection_error_message" = "An error occurred while connecting to the server.
Check your internet connection, or try again later.";
"readid_try_again" = "Try again";
// Service unavailable popup
"readid_service_unavailable_error_title" = "Service unavailable";
"readid_service_unavailable_error_message" = "The service is temporarily not available.\nPlease try again later.";
// Server error popup
"readid_server_error_title" = "Server error";
"readid_server_error_message" = "An error has occurred while processing your request.\nPlease try again later.";
// Authorization error popup
"readid_authorization_error_title" = "Authorization error";
"readid_authorization_error_message" = "Authorization failed.\nPlease contact the support team.";
// Security error popup
"readid_connection_security_error_message" = "An error occurred while initializing a secure connection to the server.";
// Network error popup
"readid_unknown_error_title" = "Unexpected situation";
"readid_unknown_error_message" = "An unexpected situation occurred. Please try again later.";
// Only in MRZ SDK: Session timed out error popup
"readid_failed_reason_session_timeout" = "The ReadID session timed out";
// Session error popup
"readid_session_error" = "Cannot start session. Please try again later.";
// Network error on committing session popup
"readid_session_commit_error" = "Cannot send session. Please try again later.";
// Only in MRZ SDK: Session timed out error popup
"readid_session_timeout" = "The session timed out. Please start again.";
// Only in MRZ SDK: Missing face image popup
"readid_fatal_error_missing_face_image" = "A valid face image could not be read from the document.";
// System popup
"readid_please_wait" = "Please wait...";
// Popup title: readid_connection_security_error_message, readid_session_error, readid_session_commit_error
"readid_error" = "Error";
// Only in modal view: Confirmation popup to dismiss the modal
"readid_confirm" = "Confirm";
"readid_cancel_message" = "Are you sure you want to stop?";
"readid_close" = "Close";
// Top navigation bar: back button
"readid_back_navigation_title" = "";
// Document selection screen
// Title
"readid_document_selection_title" = "Select document type";
// Description
"readid_selection_text" = "What type of identity document do you want to use?";
// Buttons
"readid_passport" = "Passport";
"readid_identity_card" = "ID card";
"readid_id_card" = "ID card";
"readid_french_identity_card" = "French identity card";
"readid_driving_licence" = "Driver's license";
"readid_drivers_license" = "Driver's license";
"readid_vehicle_registration" = "Vehicle registration";
"readid_visa" = "Visa";
// VIZ animation screen
// Title
"readid_scan_document" = "Scan the document";
// Title in the top navigation bar (only shown when the logo is disabled)
"readid_mrz_animation_title_passport" = "";
"readid_mrz_animation_title_identity_card" = "";
"readid_mrz_animation_title_driving_licence" = "";
"readid_mrz_animation_title_id_card" = "How to scan ID card";
"readid_mrz_animation_title_drivers_license" = "How to scan driver's license";
"readid_mrz_animation_title_visa" = "How to scan visa";
"readid_mrz_animation_title_vehicle_registration" = "How to scan vehicle registration";
// Descriptions
"readid_mrz_passport_explanation" = "Open to the photo page";
"readid_mrz_id_card_explanation" = "Rotate to the back";
"readid_mrz_drivers_license_explanation" = "Keep the front facing up";
"readid_mrz_visa_explanation" = "Scan the MRZ on your visa";
"readid_mrz_vehicle_registration_explanation" = "Scan the MRZ on your document";
"readid_mrz_explanation" = "Adjust until the text turns green";
```

```
"readid_mrz_identity_card_front_explanation" = "Keep the front facing up";
"readid_mrz_identity_card_back_explanation" = "Flip the identity card to the back";
"readid_mrz_driving_licence_front_explanation" = "Keep the front of the driving licence facing up";
"readid_mrz_driving_licence_back_explanation" = "Rotate to the back";
"readid_mrz_passport_data_page_front_explanation" = "Open the passport to the photo page";
"readid_mrz_passport_data_page_back_explanation" = "Open back of the photo page";
// Button
"readid_viz_animation_primary_button" = "Next";
// Camera permission error popup
"readid_permission_required_error_title" = "Permission required";
// Only shown if camera permission needs to be enabled in the app settings
"readid_grant_permission_in_app_settings" = "Please allow camera access in the application settings.";
// VIZ capture screen
// Titles
"readid_scan_viz_identity_card_front" = "Align front of identity card here";
"readid_scan_viz_identity_card_back" = "Align back of identity card here";
"readid_scan_viz_driving_licence_front" = "Align front of driving license here";
"readid_scan_viz_driving_licence_back" = "Align back of driving license here";
"readid_scan_viz_passport_front" = "Align passport photo page here";
"readid_scan_viz_passport_back" = "Align back of passport photo page here";
"readid_scan_viz_visa_front" = "Align visa page here";
"readid_accessing_nfc_chip_hold_still" = "Please hold still";
"readid_scan_mrz" = "Scan MRZ";
// Alternates with the title every few seconds
"readid_avoid_white_background" = "Avoid white background";
// Title in the top navigation bar
"readid_mrz_scan_title_passport" = "Scan passport";
"readid_mrz_scan_title_id_card" = "Scan id card";
"readid_mrz_scan_title_drivers_license" = "Scan driver's license";
"readid_mrz_scan_title_identity_card" = "Scan identity card";
"readid_mrz_scan_title_driving_licence" = "Scan driving licence";
"readid_mrz_scan_title_visa" = "Scan visa";
"readid_mrz_scan_title_vehicle_registration" = "Scan vehicle registration";
"readid_mrz_result_title_passport" = "Passport data";
"readid_mrz_result_title_id_card" = "ID card data";
"readid_mrz_result_title_drivers_license" = "Driver's license data";
"readid_mrz_result_title_visa" = "Visa data";
"readid_mrz_result_title_vehicle_registration" = "Vehicle registration data";
```

```
// Dynamic feedback messages
"readid_hold_document_closer" = "Hold document closer to camera";
"readid_no_finger_on_document" = "Do not cover document with fingers";
"readid_no_glare_on_document" = "Reduce glare on document";
"readid_document_out_of_focus" = "Document out of focus";
"readid_no_mrz_detected" = "No MRZ detected";
"readid_no_face_image_detected" = "No face image detected";
"readid_no_qr_code_detected" = "No QR code detected";
"readid_viz_scan_in_progress" = "Scanning in progress";
"readid_document_scanned" = "Document scanned";
// Manual input button
"readid_manual_input" = "Manual input";
"readid_manual_input_button_description" = "Manual input";
"readid_manual_input_button_accessibility_hint" = "Open screen for manual input.";
// Torch button
"readid_torch_on" = "Torch";
"readid_torch_off" = "Torch";
"readid_torch_button_accessibility_label" = "Torch";
"readid_torch_button_accessibility_hint" = "Turn the torch on or off.";
"readid_torch_on_accessibility_value" = "On";
"readid_torch_off_accessibility_value" = "Off";
// Manual capture button (only possible with VIZOnlyOnePageFlow)
"readid_manual_capture_button_accessibility_hint" = "Manually take a picture.";
// No MRZ error popup
"readid_no_mrz_warning_message" = "The document you scanned does not contain a Machine Readable Zone or the scan did not work.";
// No NFC chip error popup on VIZ capture
"readid_no_chip_error_message" = "The document you scanned does not contain an NFC chip or the scan did not work.";
"readid_please_repeat_scan" = "Please repeat scan.";
"readid_repeat_or_continue" = "Please repeat scan or continue with the second page.";
"readid_continue" = "Continue";
// Back button
"readid_viz_scan_back_button_accessibility_label" = "Back";
// Manual input screen
// Title
"readid_title_input" = "Enter document data";
// Segmented buttons (+ readid_document_number for driving licences instead of readid_mrz)
"readid_mrz" = "MRZ";
"readid_can" = "CAN";
// MRZ page
// X button
"readid_x_button_accessibility_hint" = "In case the date of birth contains an X. Use this button to add it to the field.";
// ICAO input labels (+ readid_document_number)
// %1$s will be replaced with the date format
"readid_date_of_birth_input" = "Date of birth (%@)";
// %1$s will be replaced with the date format
"readid_date_of_expiry_input" = "Date of expiry (%@)";
// Driving license input label
"readid_mrz_input" = "Machine Readable Zone (MRZ)";
// CAN page
// Input labels (for driving licences we use readid_document_number)
"readid_can_input" = "Card Access Number (CAN)";
// ICAO description
"readid_can_can_input_description" = "Using this input to access the document chip is supported by a limited number of documents. Make sure that you selected the right document type and that your document supports PACE-CAN validation before continuing.

Known unsupported documents:
\U2022 Ukrainian ID-Card";
// Driving license description
"readid_can_document_number_input_description" = "Using this input to access the document chip is supported by second generation Dutch driving licence. Make sure that your Machine Readable Zone (MRZ) starts with \"D1NLD2\".";
// Button
"readid_viz_manual_input_primary_button" = "Next";
"readid_manual_input_keyboard_button" = "Done";
// Input errors
"readid_manual_input_required" = "Required";
// %1$s will be replaced with the label of the manual input field
"readid_manual_input_required_error" = "Required";
// %1$s will be replaced with the label of the manual input field
"readid_manual_input_invalid_format_error" = "Invalid format";
// %1$s will be replaced with the label of the manual input field, %2$s will be replaced with the date format
"readid_manual_input_invalid_date_error" = "Please enter a valid date format.";
// VIZ confirmation screen
// Description
"readid_viz_confirmation" = "Make sure the document is fully visible and does not show any glare or fingers. If needed, repeat the scan.";
// Buttons
"readid_viz_confirmation_primary_button" = "Next";
"readid_viz_confirmation_secondary_button" = "Repeat scan";
// VIZ result screen
// Title
"readid_viz_result_title" = "Document scanned";
// Segmented buttons (+ readid_data in VIZ and NFC result screen section)
"readid_photos" = "Photos";
"readid_performance" = "Performance";
```


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```
// Button
"readid_viz_result_primary_button" = "Next";
// Photo page
// Section headers (also used on VIZ confirmation screen)
"readid_front_of_document" = "Front of document";
"readid_back_of_document" = "Back of document";
"readid_photo_page" = "Photo page";
"readid_back_of_photo_page" = "Back of photo page";
// Section headers (also used on VIZ confirmation screen) and label labels on "Performance" page
"readid_identity_card_front" = "ID card front";
"readid_identity_card_back" = "ID card back";
"readid_driving_licence_front" = "Driving licence front";
"readid_driving_licence_back" = "Driving licence back";
// Accessibility labels (also used on VIZ confirmation screen)
"readid_viz_image_description" = "VIZ";
"readid_qr_code_image_description" = "QR code";
// Data page
// Section header
"readid_collected_information" = "Collected information";
"readid_identification_number" = "Identification number";
"readid_brand" = "Brand";
"readid_model" = "Model";
"readid_category" = "Category";
"readid_classification" = "Classification";
"readid_registration_number" = "Registration number";
"readid_date_of_first_registration" = "Date of first registration";
"readid_mrz_text" = "Recognized MRZ";
"readid_mrz_image" = "MRZ image";
"readid_viz_image" = "VIZ image";
"readid_qr_code_result" = "QR code result";
// Table labels
"readid_total_ocr_time" = "Total OCR time";
"readid_net_ocr_time" = "Net OCR time";
"readid_vehicle_information" = "Vehicle information";
"readid_ocr_information" = "OCR information";
"readid_issuing_department" = "Issuing department";
"readid_issuing_office" = "Issuing office";
"readid_value" = "Value";
// Accessibility labels
"readid_mrz_image_description" = "MRZ";
// Performance page
// Table labels
"readid_capture_mode" = "Capture mode";
"readid_page_type" = "Page type";
"readid_ensure_sharpness" = "Ensure sharpness";
"readid_prevent_glare_on_document" = "Prevent glare on document";
"readid_prevent_finger_on_document" = "Prevent finger on document";
"readid_mrz_result" = "MRZ result";
"readid_face_image_result" = "Face image result";
// Screen values
"readid_passed" = "Passed";
"readid_failed" = "Failed";
"readid_degraded" = "Degraded";
"readid_disabled" = "Disabled";
"readid_automatic" = "Automatic";
"readid_automatic_degraded" = "Automatic and degraded";
"readid_manual" = "Manual";
// VIZ and NFC result screen
// Segmented button
"readid_data" = "Data";
// Section headers
"readid_document_information" = "Document information";
"readid_personal_information" = "Personal information";
"readid_optional_information" = "Optional information";
// Table labels
"readid_last_name" = "Name";
"readid_first_name" = "Given names";
"readid_gender" = "Gender";
"readid_document_code" = "Document code";
"readid_issuing_country" = "Issuing country";
"readid_nationality" = "Nationality";
"readid_document_number" = "Document number";
"readid_date_of_birth" = "Date of birth";
"readid_date_of_expiry" = "Date of expiry";
"readid_optional_data" = "Optional data";
"readid_optional_data_2" = "Optional data 2";
"readid_personal_number" = "Personal number";
"readid_date_of_issue" = "Date of issue";
// Accessibility labels (also used on VIZ confirmation screen)
"readid_maximise_image" = "Maximise";
"readid_close_image" = "Close";
// NFC animation screen
// Title
"readid_read_chip" = "Read the NFC chip";
// Description
```

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```
"readid_touch_to_read" = "Place the phone on top of the document.";
"readid_hold_together" = "Hold together and keep still";
// NFC instruction carousel
// Accessibility labels
"readid_next_instruction_button_description" = "Next instruction";
"readid_previous_instruction_button_description" = "Previous instruction";
// Passport descriptions
"readid_carousel_general_remove_document_covers" = "Remove the cover";
"readid_carousel_general_check_symbol" = "Check for the symbol";
"readid_carousel_passport_keep" = "Keep the passport and the phone close to each other";
"readid_carousel_passport_photo_page" = "Try reading the photo page";
"readid_carousel_passport_last_page" = "Try reading the inner back page";
// Only in MRZ SDK
"readid_animation_nfc_open_passport" = "Open the passport to the back page";
// Identity card description
"readid_carousel_identity_card_keep" = "Keep the identity card and the phone close to each other";
// Driving license description
"readid_carousel_driving_licence_keep" = "Keep the driving license and the phone close to each other";
"readid_carousel_id_card_keep" = "Keep the ID card and the phone close to each other";
"readid_carousel_drivers_license_keep" = "Keep the driver's license and the phone close to each other";
"readid_carousel_general_keep_still" = "Keep still during reading";
// General description
"readid_carousel_general_slide_up_down" = "Slide the phone up and down slowly until the progress bar appears";
// NFC read screen
// Title
"readid_nfc_read_title" = "Read the NFC chip";
// Title in the top navigation bar (only shown when the logo is disabled)
"readid_nfc_scan_title_passport" = "Read passport chip";
"readid_nfc_scan_title_id_card" = "Read ID card chip";
"readid_nfc_scan_title_drivers_license" = "Read driver's license chip";

"readid_nfc_scan_title_identity_card" = "";
"readid_nfc_scan_title_driving_licence" = "Read driving licence chip";
"readid_nfc_scan_title_visa" = "Read visa chip";
"readid_nfc_scan_title_vehicle_registration" = "Read vehicle registration chip";
```

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```
// NFC toaster/sheet
"readid_waiting_for_chip" = "Hold the middle of the document to the top of the phone";
"readid_waiting_for_chip_passport" = "Hold the middle of the passport to the top of the phone";
"readid_waiting_for_chip_id_card" = "Hold the middle of the ID card to the top of the phone";
"readid_waiting_for_chip_drivers_license" = "Hold the middle of the driver's license to the top of the phone";
// Buttons
"readid_nfc_read_secondary_button" = "Skip reading";
"readid_nfc_read_primary_button" = "Next";
// Progress bar
"readid_accessing_nfc_chip" = "Accessing NFC chip";
"readid_reading_personal_data" = "Reading personal data";
"readid_reading_photo" = "Retrieving photo...";
"readid_checking_validity" = "Checking validity";
"readid_chip_read" = "NFC chip reading completed";
// Access control error popup
"readid_access_control_error_title" = "Authentication failed";
"readid_access_control_error_message" = "The access control information is probably incorrect.\nPlease validate the collected information and try again.";
"readid_access_control_error_without_manual_input_message" = "The access control information is probably incorrect. Please scan the MRZ again.";
// Lost NFC connection message
"readid_starting_over" = "Lost connection\nTry not to move the phone...";
// NFC resume message
"readid_nfc_resume" = "Reading interrupted.
Make sure the phone is on top of the document.";
// Skip reading popup
"readid_confirm_skip_message" = "Do you want to skip reading the document? The identification process might not succeed if you choose to skip.";
"readid_skip" = "Skip";
"readid_check_input" = "Check input";
"readid_keep_trying" = "Keep trying";
// No NFC chip error popup
"readid_no_chip_warning_title" = "No NFC chip";
"readid_no_chip_warning_message" = "The document you are trying to read most likely does not have an NFC chip. If you continue, the reading may fail.";
// Not supported chip error popup
"readid_not_supported_chip_warning_title" = "Not supported NFC chip";
"readid_not_supported_chip_warning_message" = "The document you are trying to read is most likely not supported by us. If you continue, the reading may fail.";
// Wrong document selected error popup
"readid_wrong_document_selected_error_title" = "Wrong document selected";
"readid_wrong_document_selected_error_message" = "Please go back and select the right document type before trying again.";
// Only in MRZ SDK: unsupported error popup
"readid_access_control_unsupported_error_title" = "Document reading failed";
"readid_access_control_unsupported_error_message" = "This document is unsupported. Try again with a valid document.";
// Session commit popup
"readid_sending_data" = "Sending data...";
// NFC result screen
// Titles
"readid_nfc_result_title_passport" = "Passport chip data";
"readid_nfc_result_title_id_card" = "ID card chip data";
"readid_nfc_result_title_drivers_license" = "Driver's license chip data";
"readid_nfc_result_title_visa" = "Visa chip data";
"readid_nfc_result_title_vehicle_registration" = "Vehicle registration chip data";

"readid_nfc_result_title_identity_card" = "Identity card chip data";
"readid_nfc_result_title_driving_licence" = "Driving licence chip data";
// Segmented buttons (+ readid_data in VIZ and NFC result screen section)
"readid_security" = "Security";
// No content message when server echo is disabled or filtered
"readid_no_document_information" = "No document information";
"readid_no_document_information_message" = "You don't have permission to see any information from the document read.";
// Button
"readid_nfc_result_primary_button" = "Next";
// Data page
// Section headers
"readid_face_image" = "Face image";
"readid_verification_information" = "Validity";
"readid_signature" = "Signature";
"readid_mrz_from_chip" = "MRZ from chip";
"readid_sai_from_chip" = "SAI from chip";
// Table labels
"readid_face_image_description" = "Face";
"readid_verification_content_authenticity" = "Content authenticity";
"readid_verification_chip_authenticity" = "Chip authenticity";
"readid_verification_expiration_status" = "Expiration status";
"readid_verification_result" = "Verification result";
"readid_title" = "Title";
"readid_name_of_holder" = "Full name";
"readid_other_names" = "Other names";
"readid_place_of_birth" = "Place of birth";
"readid_country_of_birth" = "Country of birth";
"readid_address" = "Address";
"readid_profession" = "Profession";
"readid_telephone" = "Telephone";
```

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```
"readid_custodian" = "Custodian";
"readid_issuing_authority" = "Issuing authority";
"readid_drivers_licenses" = "Driver's licenses";
"readid_driving_licences" = "Driving licences";
"readid_driving_licence_category" = "Category";
// Screen values
"readid_verification_succeeded" = "Authentic content and chip";
"readid_verification_not_supported" = "Data authentic, clone detection not supported by this document";
"readid_verification_passed" = "Data authentic, clone detection not performed";
"readid_verification_failed" = "Authenticity not validated";
"readid_verification_expired" = "Document expired";
"readid_verification_content_authenticity_succeeded" = "Authentic content";
"readid_verification_content_authenticity_failed" = "Authenticity not validated";
"readid_verification_chip_authenticity_succeeded" = "Authentic chip";
"readid_verification_chip_authenticity_failed" = "Authenticity not validated";
"readid_verification_chip_authenticity_not_present" = "Clone detection not supported by this document";
"readid_verification_chip_authenticity_not_checked" = "Clone detection not performed";
"readid_verification_expiration_status_valid" = "Document not expired";
"readid_verification_expiration_status_expired" = "Document expired";
"readid_value_gender_male" = "Male";
"readid_value_gender_female" = "Female";
"readid_value_unspecified" = "Unspecified";
"readid_value_unknown" = "Unknown";
// Security page
// Section headers
"readid_chip_information" = "Chip information";
"readid_validity_information" = "Validity information";
"readid_document_signing_certificate" = "Document signing certificate";
"readid_country_signing_certificate" = "Country signing certificate";
// Table labels
// Chip information
"readid_chip_lds_version" = "LDS version";
"readid_chip_data_groups" = "Data groups";
// Validity information
"readid_type_access_control" = "Type of access control";
"readid_active_authentication" = "Active authentication";
"readid_chip_authentication" = "Chip authentication";
"readid_data_group_hashes" = "Data group hashes";
"readid_document_signer" = "Document signer";
"readid_country_signer" = "Country signer";
// Certificate information
"readid_link_certificate" = "Link certificate";
"readid_cert_serial_number" = "Serial number";
"readid_cert_signature_alg" = "Signature algorithm";
"readid_cert_pubkey_alg" = "Public key algorithm";
"readid_cert_thumbprint" = "Certificate thumbprint";
"readid_cert_issuer" = "Issuer";
"readid_cert_valid_from" = "Valid from";
"readid_cert_valid_to" = "Valid to";
"readid_cert_subject" = "Subject";
// Data group hashes information
"readid_data_group_hashes_information" = "Data group hashes information";
// %1$s will be replaced with the data group number
"readid_data_group_hash" = "Data group %1$d";
"readid_stored_hash" = "• stored";
"readid_computed_hash" = "• computed";
// Screen values
"readid_verification_verdict_success" = "SUCCEEDED";
"readid_verification_verdict_failed" = "FAILED";
"readid_verification_verdict_not_checked" = "NOT CHECKED";
"readid_verification_verdict_not_present" = "NOT PRESENT";
"readid_verification_verdict_unknown" = "UNKNOWN";
"readid_verification_reason_unknown" = "Unknown";
"readid_verification_reason_succeeded" = "Succeeded";
"readid_verification_reason_not_supported" = "Not supported";
"readid_verification_reason_unexpected_exception_failure" = "Unexpected exception";
"readid_verification_reason_unsupported_key_type_failure" = "Unsupported key type";
"readid_verification_reason_unsupported_signature_algorithm_failure" = "Unsupported signature algorithm";
"readid_verification_reason_unsupported_digest_algorithm_failure" = "Unsupported digest algorithm";
"readid_verification_reason_signature_checked" = "Signature checked";
"readid_verification_reason_signature_failure" = "Signature failure";
"readid_verification_reason_read_error_sod_failure" = "Error reading security object";
"readid_verification_reason_found_a_chain_succeeded" = "Found a chain to a trust anchor";
"readid_verification_reason_could_not_build_chain_failure" = "Could not build a chain to a trust anchor";
"readid_verification_reason_no_trust_anchors_found_failure" = "No trust anchors found";
"readid_verification_reason_all_hashes_match" = "All hashes match";
"readid_verification_reason_stored_hash_not_found_failure" = "Stored hash not found";
"readid_verification_reason_hash_mismatch_failure" = "Found a mismatching hash";
"readid_verification_reason_read_error_configuration" = "Error reading configuration";
"readid_verification_reason_certificate_expired" = "Certificate expired";
"readid_verification_reason_presence_detected" = "Presence detected";
"readid_verification_reason_non_match_alert" = "Non match alert";
"readid_not_available" = "NOT AVAILABLE";
"readid_hash_match" = "MATCH";
"readid_hash_mismatch" = "MISMATCH";
```

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[illegible]

NtdrSDK Strings resource for face verification

Face Scan flow Strings are recommended to be in separate Localization file named "FaceTec"

```
"FaceTec accessibility cancel button" = "Cancel":
```

```
"FaceTec_accessibility_torch_button" = "Toggle Light";
```

```
"FaceTec_action_ok" = "OK":
```

"FaceTec action im ready" = "I'M READY":

```
"FaceTec_action_try_again" = "TRY AGAIN";
```

```
"FaceTec_action_continue" = "CONTINUE";
```

"FaceTec action take photo" = "TAKE PHOTO":

```
"FaceTec_action_retake_photo" = "RETAKE";
```

```
"FaceTec_action_accept_photo" = "ACCEPT";
```

"FaceTec action confirm" = "CONFIRM INFO";

```
"FaceTec_camera_permission_header" = "Enable Camera";
```

```
"FaceTec_camera_permission_message_enroll" = "Please click the button below to enable your selfie camera.";
```

```
"FaceTec_camera_permission_message_auth" = "Your camera is disabled. Tap below to edit your settings.";
```

```
"FaceTec_camera_permission_enable_camera" = "ENABLE CAMERA";
```

```
"FaceTec_camera_permission_launch_settings" = "LAUNCH SETTINGS";
```

"FaceTec_feedback_center_face" = "Center Your Face";

```
"FaceTec_feedback_face_not_found" = "Frame Your Face";
```

"FaceTec feedback face not looking straight ahead" = "Look Straight Ahead":

"FaceTec_feedback_face_not_upright" = "Hold Your Head Straight";

```
"FaceTec_feedback_hold_steady" = "Hold Steady";
```

```
"FaceTec_feedback_move_phone_away" = "Move Away";
```

"FaceTec_feedback_move_phone_closer" = "Move Closer":

"FaceTec feedback move phone even closer" = "Even Closer";

```
"FaceTec_feedback_move_phone_to_eye_level" = "Move Camera To Eye Level";
```

"FaceTec_feedback_use_even_lighting" = "Light Face More Evenly";

"FaceTec idscan type selection header" = "Prepare to Scan\nYour ID Document":

"FaceTec idscan capture tap to focus message" = "Tap Screen To Focus":

```
"FaceTec_idscan_capture_hold_steady_message" = "Please Hold Steady";
```

"FaceTec idscan capture id front instruction message" = "Show Front of ID";

"FaceTec idscan capture id back instruction message" = "Show Back of ID":

"FaceTec idscan_review_id_front_instruction_message" = "Confirm Photo is Clear & Legible";

"FaceTec_idscan_review_id_back_instruction_message" = "Confirm Photo is Clear & Legible";

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```
"FaceTec_idscan_ocr_confirmation_main_header" = "Review & Confirm";

"FaceTec_instructions_header_ready_1" = "Please place your face in the frame";
"FaceTec_instructions_header_ready_2" = "";
"FaceTec_instructions_message_ready_1" = "";
"FaceTec_instructions_message_ready_2" = "Press I'm Ready & Move Closer";

"FaceTec_preession_frame_your_face" = "Frame Your Face In The Oval";
"FaceTec_preession_position_face_straight_in_oval" = "Look Straight Ahead";
"FaceTec_preession_hold_steady_3" = "Hold Steady For: 3";
"FaceTec_preession_hold_steady_2" = "Hold Steady For: 2";
"FaceTec_preession_hold_steady_1" = "Hold Steady For: 1";
"FaceTec_preession_eyes_straight_ahead" = "Look Straight Ahead";
"FaceTec_preession_remove_dark_glasses" = "Remove Dark Glasses";
"FaceTec_preession_neutral_expression" = "Neutral Expression, No Smiling";
"FaceTec_preession_conditions_too_bright" = "Conditions Too Bright";
"FaceTec_preession_brighten_your_environment" = "Brighten Your Environment";

"FaceTec_result_facescan_upload_message" = "Verifying...";
"FaceTec_result_success_message" = "Completed";
"FaceTec_result_idscan_upload_message" = "Uploading\nEncrypted\nID Scan";
"FaceTec_result_idscan_unsuccess_message" = "ID Photo\nDid Not Match\nUser's Face";
"FaceTec_result_idscan_success_front_side_message" = "Your 3D Face\nMatched Your ID";
"FaceTec_result_idscan_success_front_side_back_next_message" = "Your 3D Face\nMatched Your ID";
"FaceTec_result_idscan_success_back_side_message" = "ID Scanned\nSuccessfully";
"FaceTec_result_idscan_success_user_confirmation_message" = "Success!";
"FaceTec_result_idscan_retry_face_did_not_match_message" = "Face Did Not Match Highly\nPlease Try Again";
"FaceTec_result_idscan_retry_id_not_fully_visible_message" = "ID Document\nNot Fully Visible";
"FaceTec_result_idscan_retry_ocr_results_not_good_enough_message" = "ID Text Not Legible\nPlease Try Again";

"FaceTec_retry_header" = "Let's try that again...";
"FaceTec_retry_subheader_message" = "We need a clearer video selfie.";
"FaceTec_retry_instruction_message_1" = "Neutral Expression, No Smiling";
"FaceTec_retry_instruction_message_2" = "No Glare or Extreme Lighting";
"FaceTec_retry_instruction_message_3" = "Too Blurry, Clean Your Camera";
"FaceTec_retry_your_image_label" = "Your Selfie";
"FaceTec_retry_ideal_image_label" = "Ideal Pose";
```

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1.1.3 Success and Error Handling (iOS)

Every public method in the SDK returns the following type inside the completion block. "Result<IdvResult, ResponseCode>"
IdvResult is the success parameter and the ResponseCode is for failure.

Example of handling:

```
self.api?.update(action: "update", message: "wait-for-facemap", response: { facemapWaitResult in
    switch facemapWaitResult {
        case .success(let facemapWaitSuccess):
            break
        case .failure(let responseCode):
            switch responseCode {
                //Different error cases can be handled as intended by the calling app.
            }
            break
    }
})
```

The responseCode is the object of the enum ResponseCode which contains different error cases that can occur inside the SDK. Following section explains all the ResponseCode.

ResponseCode has three parameters to understand the errors in a better way. (code, message, genericMessage)

SDK Errors:

ResponseCode - code

```
case .STATUS_INVALID_ACTIVATION_CODE:
    return 1001
case .STATUS_INVALID_DEVICE_CODE:
    return 1002
case .STATUS_BAD_BIODATA:
    return 1003
case .STATUS_BAD_BIODATA_DOCTYPE:
    return 1004
case .STATUS_BAD_BIODATA_EXPIRY:
    return 1005
case .STATUS_BAD_BIODATA_ISSUER:
    return 1006
case .STATUS_BAD_FACEMAP:
    return 1007
case .STATUS_BAD_PROTOCOL:
    return 1008
case .STATUS_INVALID_DEVICE_REQUEST:
    return 1009
case .STATUS_INVALID_SESSION:
    return 1010
case .STATUS_AUTH_FAILED:
    return 1011
case .UNKNOWN_QR_CODE:
    return 1111
case .UNKNOWN_ERROR:
    return 1112
case .NETWORK_ERROR:
    return 1113
case .RETRY_LIMIT_REACHED:
    return 1114
case .FACETEC_INITIALIZATION_FAILED:
    return 1115
case .INVALID_JOIN_SESSION:
    return 1116
case .INVALID_UPDATE_SESSION:
    return 1117
case .INVALID_COMMIT_SESSION:
    return 1118
case .INVALID_STATUS_SESSION:
    return 1119
case .OCR_SCAN_FAILED:
    return 1120
case .BIODATA_UPLOAD_FAILED:
    return 1121
case .PARSING_ERROR:
    return 1122
case .NO_RESPONSE:
    return 1123
case .UNSECURE_SERVER_PINNING_FAILED:
    return 1124
case .EMPTY_ACCESS_KEY:
    return 1125
case .EMPTY_BIODATA_PROXY:
    return 1126
case .INVALID_BIODATA_ENDPOINT:
    return 1127
case .READID_INITIALIZATION_FAILED:
```

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```
    return 1128
case .INVALID_FACEMAP_TOKEN:
    return 1129
case .FACESCAN_NO_SESSION_RESULT:
    return 1130
case .CANCELLED_BY_USER:
    return 1133
case .NO_CHIP:
    return 2001
case .CONNECTION_ERROR:
    return 2002
case .USER_CANCELLED:
    return 2003
case .CAMERA_PERMISSION_DENIED:
    return 2004
case .WRONG_DOCUMENT_TYPE:
    return 2005
case .TOO_MANY_REQUESTS:
    return 2006
case .SERVER_ERROR:
    return 2007
case .AUTHORISATION_ERROR:
    return 2008
case .SERVER_SESSION_ERROR:
    return 2009
case .SSL_ERROR:
    return 2010
case .SESSION_EXPIRED:
    return 2011
case .NFC_ACCESS_CONTROL_ERROR:
    return 2012
case .BACKGROUND_TIMEOUT:
    return 2016
case .NFC_ERROR:
    return 2017
case .UNSUPPORTED_DOCUMENT:
    return 2019
case .NFC_NOT_SUPPORTED:
    return 2020
case .EXPIRED_SDK:
    return 2021
case .BACK_NAVIGATION:
    return 2022
case .INVALID_CONFIGURATION:
    return 2023
case VIZ_CAPTURE_TIMEOUT
    return 2024
case .NON_PRODUCTION_MODE_KEY_INVALID:
    return 3001
case .NON_PRODUCTION_MODE_NETWORK_REQUIRED:
    return 3002
case .CANCELLED:
    return 3004
case .SESSION_UNSUCCESSFUL:
    return 3005
case .ENCRYPTION_KEY_INVALID:
    return 3006
case .TIMEOUT:
    return 3007
case .CONTEXT_SWITCH:
    return 3008
case .CAMERA_INITIALIZATION_ISSUE:
    return 3009
case .UNKNOWN_INTERNAL_ERROR:
    return 3010
case .LANDSCAPE_MODE_NOT_ALLOWED:
    return 3011
case .REVERSE_PORTRAIT_NOT_ALLOWED:
    return 3012
case .LOCKED_OUT:
    return 3013
case .MISSING_GUIDANCE_IMAGES:
    return 3014
case .USER_CANCELLED_VIA_CLICKABLE_READY_SCREEN_SUBTEXT:
    return 3015
case .FACE_SCAN_LOW_MEMORY:
    return 3016
case .GRACE_PERIOD_EXCEEDED:
    return 3017
case .CAMERA_PERMISSION_ERROR:
    return 3019
```