

This document only outlines the differences between v2.0 and v4.0.

For more thorough information on each of the versions, please refer to API Docs [V2.0](#) & [V4.0](#)

## 2.0 VS 4.0

In 4.0, **TrustedForm Claim** is now two separate products called **Retain** and **Insights**. Lead matching must be performed as part of the Retain API request. In the **Claim** request, this feature was called fingerprints, and was optional.

**In 4.0, the TrustedForm Certificate API is able to perform multiple operations based on the parameters sent in the request.**

Changes	v2.0	v4.0
Endpoint path	<p><b>Retrieving ping data</b></p> <ul style="list-style-type: none"> <li>• GET /{cert_id}/ping</li> </ul> <hr/> <p><b>Claim</b></p> <ul style="list-style-type: none"> <li>• POST /{cert_id}</li> </ul>	<p><b>Can retrieve data by using POST/{cert_id} endpoint and running insights.</b></p> <p><b>TrustedForm Ping URLs are no longer needed.</b> Vendors can confidently pass the TrustedForm Certificate URL, as our Enhanced PII Protection ensures that lead data on the ping remains secure from unauthorized access. As certificates are now locked, unlocking them is necessary to access the PII. For further information, please refer to our post <a href="#">here</a>.</p> <hr/> <p><b>Run certificate operations (Retain)</b></p> <ul style="list-style-type: none"> <li>• POST /{cert_id}</li> </ul> <p><b>Header parameters:</b></p> <ul style="list-style-type: none"> <li>• API Version</li> </ul> <p>When migrating from an older version to version 4.0, please use <b>Api-Version: 4.0 header</b> to guarantee your call uses the 4.0 request and response structure.</p>
<b>REQUEST</b>		
Request parameter name	<p><b>Share_url</b> is part of the API response</p> <p><b>Anything_else</b> → When data is sent with a parameter other than those listed below, TrustedForm will extract the values and perform fingerprinting against the available data.</p>	<p><b>Fingerprints</b> are now called <b>match_lead</b>. The <b>match_lead</b> operation is required when running the <b>retain</b> operation. <b>Claim</b> is split into <b>Retain</b> and <b>Insights</b>. <b>Reference and vendor</b> are now a part of <b>Retain</b>. <b>page_scan</b> is now a part of <b>Insights</b>. <b>Verify</b> is a new TrustedForm product offering available in 4.0.</p>

	<b>Claim</b> <ul style="list-style-type: none"> <li>● anything_else</li> <li>● fingerprints</li> <li>-</li> <li>● reference</li> <li>● vendor</li> <li>● scan</li> <li>● scan!</li> </ul>	<ul style="list-style-type: none"> <li>● not available</li> <li>● match_lead.email</li> <li>● match_lead.phone</li> <li>● retain.reference</li> <li>● retain.vendor</li> <li>● insights.scans.required</li> <li>● insights.scans.forbidden</li> </ul>
Request parameter data type	<b>Claim</b> <ul style="list-style-type: none"> <li>● scan: string or Array of strings or Page Scan (object) or Array of Page Scan (objects)</li> <li>● scan!: string or Array of strings or Page Scan (object) or Array of Page Scan (objects)</li> </ul>	<b>Insights</b> <ul style="list-style-type: none"> <li>● insights.scans.required: string or Array of strings</li> <li>● insights.scans.forbidden: string or Array of strings</li> </ul>
New request parameters	/	<b>Insights</b> <ul style="list-style-type: none"> <li>● insights.properties</li> <li>● Insights.scans.delimiter</li> <li>● insights.bot_detected</li> </ul> <b>Verify (new 4.0 product)</b> <ul style="list-style-type: none"> <li>● verify.advertiser_name</li> </ul>
<b>RESPONSE</b>		
Response parameter name	<ul style="list-style-type: none"> <li>- Time on page (event_duration) is measured in milliseconds in v2.0</li> </ul> <b>Retrieving ping data</b> <ul style="list-style-type: none"> <li>● age</li> <li>● client</li> </ul>	<b>Retrieving ping data no longer supported in 4.0. Can retrieve data by running insights:</b> <ul style="list-style-type: none"> <li>- dimensions -&gt; no longer exist in 4.0</li> <li>- Time on page (seconds_on_page) is measured in seconds in v4.0</li> <li>- page_id -&gt; no longer exist in 4.0</li> <li>- snapshot_url -&gt; no longer exist in 4.0</li> <li>- Share_url -&gt; no longer included in API response in 4.0, but can be accessed directly by viewing the history tab in the certificate</li> <li>- warnings -&gt; no longer exist in 4.0</li> </ul> <b>Insights</b> <ul style="list-style-type: none"> <li>● insights.properties.age_seconds</li> <li>● -</li> </ul>

	<ul style="list-style-type: none"> <li>• client.ip</li> <li>• client.user_agent</li> <li>• client.dimensions</li> <li>• client.dimensions.screen</li> <li>• client.dimensions.screen.width</li> <li>• client.dimensions.screen.height</li> <li>• client.dimensions.window</li> <li>• client.dimensions.window.width</li> <li>• client.dimensions.window.height</li> <li>• client.geo</li> <li>• client.geo.city</li> <li>• client.geo.country</li> <li>• client.geo.postal_code</li> <li>• client.geo.subdivisions</li> <li>• created_at</li> <li>• location</li> <li>• location.framed</li> <li>• location.parent_url</li> <li>• location.url</li> <li>• time_on_page</li> <li>• type</li> </ul> <hr/> <p><b>Claim</b></p> <ul style="list-style-type: none"> <li>• age</li> <li>• cert</li> <li>• cert.browser</li> <li>• cert.claims</li> </ul> <ul style="list-style-type: none"> <li>• cert.claims.age</li> <li>• cert.claims.created_at</li> <li>• cert.claims.expired_at</li> <li>• cert.claims.fingerprints</li> <li>• cert.claims.fingerprints.matching</li> <li>• cert.claims.fingerprints.not_matching</li> <li>• cert.claims.id</li> <li>• cert.claims.masked</li> <li>• cert.claims.masked_cert_url</li> <li>• cert.claims.page_id</li> <li>• cert.claims.reference</li> <li>• cert.claims.scans</li> <li>• cert.claims.scans.found</li> <li>-</li> <li>• cert.claims.scans.not_found</li> <li>-</li> <li>• cert.claims.share_url</li> </ul>	<ul style="list-style-type: none"> <li>• insights.properties.ip</li> <li>• insights.properties.browser.user_agent</li> <li>• not available</li> <li>• not available</li> <li>• not available</li> <li>• not available</li> <li>• not available</li> <li>• not available</li> <li>• not available</li> <li>• insights.properties.approx_ip_geo</li> <li>• insights.properties.approx_ip_geo.city</li> <li>• insights.properties.approx_ip_geo.country_code</li> <li>• insights.properties.approx_ip_geo.postal_code</li> <li>• insights.properties.approx_ip_geo.state</li> <li>• insights.properties.created_at</li> <li>• insights.properties.domain</li> <li>• insights.properties.is_framed</li> <li>• insights.properties.parent_page_url</li> <li>• insights.properties.page_url</li> <li>• insights.properties.seconds_on_page</li> <li>• not available</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• insights.properties.age_seconds</li> <li>• insights.properties</li> <li>• insights.properties.browser</li> <li>• not available - now in 4.0, you can only retain a cert once per account. We don't allow multiple retains of the same cert on the same account. We now also return information on whether the certificate was previously retained.</li> <li>• insights.properties.age_seconds</li> <li>• insights.properties.created_at</li> <li>• insights.properties.expires_at</li> <li>• match_lead.result</li> <li>• match_lead.result.email_match</li> <li>• match_lead.result.phone_match</li> <li>• not available . (Can be fetched from the cert url)</li> <li>• insights.properties.is_masked</li> <li>• retain.result.masked_cert_url</li> <li>• not available</li> <li>• retain.reference</li> <li>• insights.scans</li> <li>• insights.scans.result.required.found</li> <li>• insights.scans.result.forbidden.found</li> <li>• insights.scans.result.required.not_found</li> <li>• insights.scans.result.forbidden.not_found</li> <li>• not available</li> </ul>
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	<ul style="list-style-type: none"> <li>● cert.claims.vendor</li> <li>● cert.claims.warnings</li> <li>● cert.created_at</li> <li>● cert.event_duration</li> <li>● cert.expired_at</li> <li>● cert.framed</li> <li>● cert.geo</li> <li>● cert.geo.city</li> <li>● cert.geo.country</li> <li>● cert.geo.lat</li> <li>● cert.geo.lon</li> <li>● cert.geo.postal_code</li> <li>● cert.geo.state</li> <li>● cert.geo.timezone</li> <li>● cert.ip</li> <li>● cert.location</li> <li>● cert.operating_system</li> <li>● cert.parent_location</li> <li>● cert.snapshot_url</li>   <li>● cert.user_agent</li> <li>● created_at</li> <li>● expired_at</li> <li>● fingerprints</li> <li>● fingerprints.matching</li> <li>● fingerprints.not_matching</li> <li>● id</li> <li>● masked</li> <li>● masked_cert_url</li> <li>● page_id</li> <li>● reference</li> <li>● scans</li> <li>● scans.found</li> <li>-</li> <li>● scans.not_found</li> <li>-</li> <li>● share_url</li> <li>● vendor</li> <li>● warnings</li> </ul>	<ul style="list-style-type: none"> <li>● retain.vendor</li> <li>● not available</li> <li>● insights.properties.created_at</li> <li>● insights.properties.seconds_on_page</li> <li>● insights.properties.expires_at</li> <li>● insights.properties.is_framed</li> <li>● insights.properties.approx_ip_geo</li> <li>● insights.properties.approx_ip_geo.city</li> <li>● insights.properties.approx_ip_geo.country_code</li> <li>● insights.properties.approx_ip_geo.lat</li> <li>● insights.properties.approx_ip_geo.lon</li> <li>● insights.properties.approx_ip_geo.postal_code</li> <li>● insights.properties.approx_ip_geo.state</li> <li>● insights.properties.approx_ip_geo.time_zone</li> <li>● insights.properties.ip</li> <li>● insights.properties.page_url</li> <li>● insights.properties.os</li> <li>● insights.properties.parent_page_url</li> <li>● not available. You can get the snapshot url by appending /snapshot to the certificate url.</li> <li>● insights.properties.browser.user_agent</li> <li>● insights.properties.created_at</li> <li>● insights.properties.expires_at</li> <li>● match_lead.result</li> <li>● match_lead.result.email_match</li> <li>● match_lead.result.phone_match</li> <li>● not available</li> <li>● insights.properties.is_masked</li> <li>● retain.result.masked_cert_url</li> <li>● not available</li> <li>● retain.reference</li> <li>● insights.scans</li> <li>● insights.scans.result.required.found</li> <li>● insights.scans.result.forbidden.found</li> <li>● insights.scans.result.required.not_found</li> <li>● insights.scans.result.forbidden.not_found</li> <li>● not available</li> <li>● retain.vendor</li> <li>● not available</li> </ul>
<p>Response parameter data type</p>	<ul style="list-style-type: none"> <li>● cert.browser: string</li>   <li>● fingerprints.matching: array of strings</li> <li>● fingerprints.not_matching : array of strings</li>   <li>● cert.geo.lat: number</li> <li>● cert.geo.lon: number</li> </ul>	<ul style="list-style-type: none"> <li>● insights.properties.browser: object</li>   <li>● match_lead.result.email_match: boolean</li> <li>● match_lead.result.phone_match: boolean</li>   <li>● insights.properties.approx_ip_geo.lat: string</li> <li>● insights.properties.approx_ip_geo.lon: string</li> </ul>

	<ul style="list-style-type: none"> <li>cert.operating_system: string</li> </ul>	<ul style="list-style-type: none"> <li>insights.properties.os: object</li> </ul>
<p>New response parameters</p>		<p><b>Retain</b></p> <ul style="list-style-type: none"> <li>retain.results.previously_retained</li> </ul> <p><b>Insights</b></p> <ul style="list-style-type: none"> <li>insights.scans.forbidden</li> <li>insights.scans.required</li> <li>insights.scans.delimiter</li> <li>insights.properties.bot_detected</li> <li>insights.properties.browser</li> <li>insights.properties.browser.name</li> <li>insights.properties.browser.version</li> <li>insights.properties.browser.version.full</li> <li>insights.properties.browser.version.major</li> <li>insights.properties.browser.version.minor</li> <li>insights.properties.browser.version.patch</li> <li>insights.properties.form_input_kpm</li> <li>insights.properties.form_input_wpm</li> <li>insights.properties.form_input_method</li> <li>insights.properties.num_sensitive_content_elements</li> <li>insights.properties.num_sensitive_form_elements</li> <li>insights.properties.os.full</li> <li>insights.properties.os.is_mobile</li> <li>insights.properties.os.name</li> <li>insights.properties.os.version</li> <li>insights.properties.os.version.full</li> <li>insights.properties.os.version.major</li> <li>insights.properties.os.version.minor</li> <li>insights.properties.os.version.patch</li> </ul> <p><b>Verify</b></p> <ul style="list-style-type: none"> <li>verify.languages</li> <li>verify.languages.text</li> <li>verify.result</li> <li>verify.result.form_submitted</li> <li>verify.result.language_approved</li> <li>verify.result.one_to_one</li> <li>verify.result.success</li> </ul>