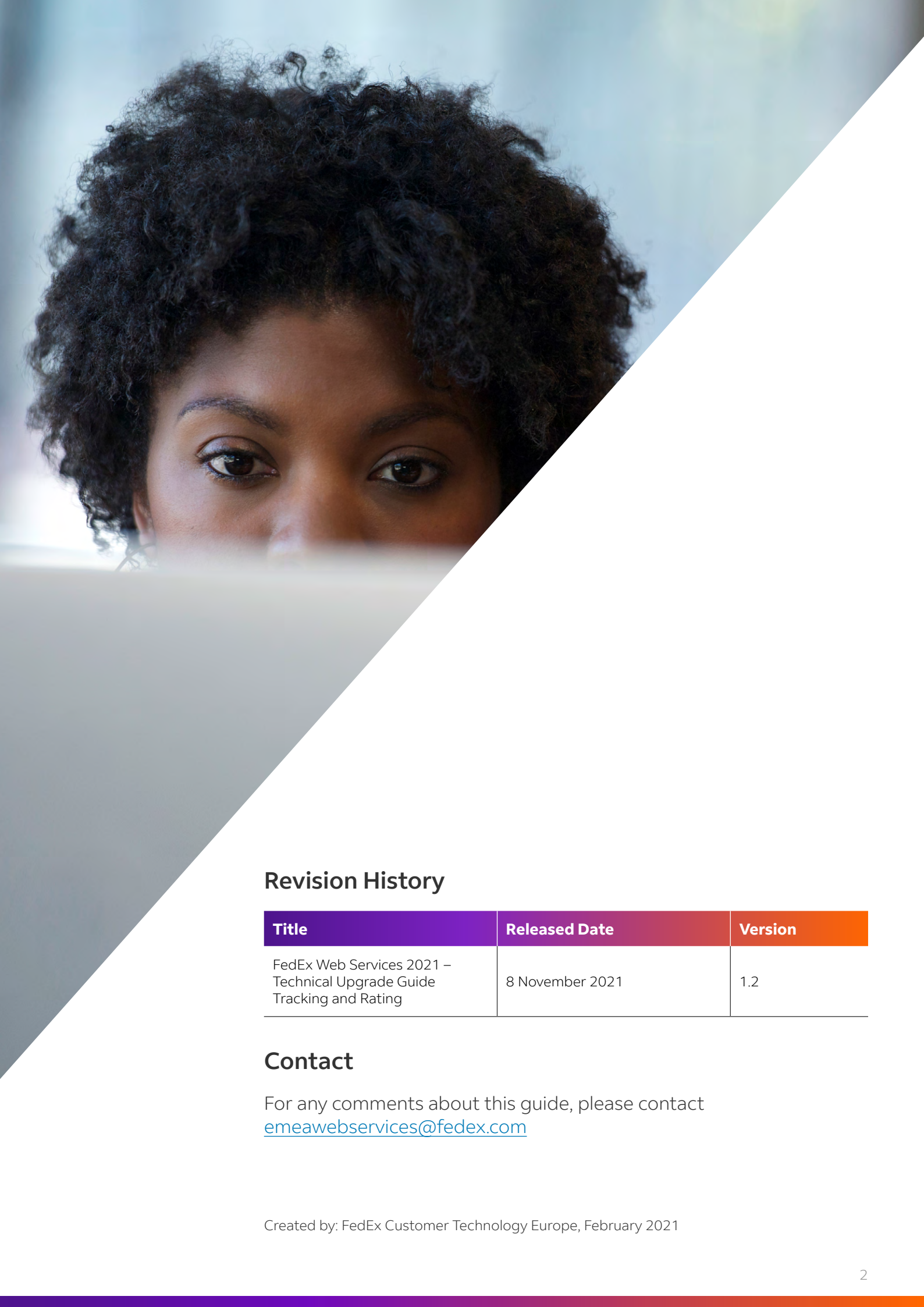




FedEx Web Services 2021

Technical Upgrade Guide
Tracking and Rating





Revision History

Title	Released Date	Version
FedEx Web Services 2021 – Technical Upgrade Guide Tracking and Rating	8 November 2021	1.2

Contact

For any comments about this guide, please contact
emeawebservices@fedex.com

FedEx Web Services 2021 – the new standard for FedEx Shipping

As part of our commitment to delivering a state-of-the-art shipping experience to you, we are ready to offer the latest 2021 version of FedEx Web Services, specifically designed to streamline and strengthen your operations.

To benefit from the full range of FedEx capabilities, upgrading to the new version is mandatory.

3 key facts you need to know



Any older version of FedEx Web Services will no longer be supported



We've added features that will allow you to enhance your own operations and unlock new opportunities for your business



Upgrading will mean you benefit faster from our expanding range of services, such as our dedicated new economy and express services

This document will guide you through the required changes for updating your existing Web Services version to the current 2021 release of FedEx Web Services.

Not all features are covered in this guide. If you should encounter any issues or require further assistance, do not hesitate to contact your FedEx Customer Technology representative.

FedEx Web Services 2021 – New Services

Benefit from a wider choice of delivery times with the new FedEx International Priority® Express and FedEx International Priority® services that replace the existing International Priority service.

Unlock the potential of our integrated network with the new FedEx® Regional Economy and FedEx® Regional Economy Freight services that will offer new opportunities for your parcel and freight shipments within Europe.

To enable the new services as from 3 January 2022, enter the following values into the <ServiceType> element of your Web Services request:

FEDEX_REGIONAL_ECONOMY

FEDEX_REGIONAL_ECONOMY_FREIGHT

FEDEX_INTERNATIONAL_PRIORITY

FEDEX_INTERNATIONAL_PRIORITY_EXPRESS

FEDEX_INTERNATIONAL_CONNECT_PLUS

You can discuss further the details of when you will be enabled to access the new service portfolio (FedEx Regional Economy and FedEx Regional Economy Freight , as well as FedEx® International Connect Plus) with your FedEx customer Technology or Sales representative.

Until the transition is completed, you can continue using our current services.

Only 2020 and 2021 versions of FedEx Web Services will support the new services.

To download the 2021 version (v28 ShipRequest) WSDL and the current Developer Guide, please visit the FedEx Developer Resource Center: www.fedex.com/us/developer.

FedEx Developer Resource Center



FedEx® Regional Economy & FedEx® Regional Economy Freight Coverage

FROM \ TO	Austria	Belgium	Czech Republic	Denmark	Estonia	Finland	France	Germany	Hungary	Ireland	Italy	Latvia	Lithuania	Luxembourg	Netherlands	Norway	Poland	Slovenia	Spain	Sweden	Switzerland	United Kingdom
Austria		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Belgium	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Czech Republic	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Denmark	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Estonia	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Finland	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
France	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Germany	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hungary	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ireland	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Italy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Latvia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lithuania	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Luxembourg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Netherlands	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Norway	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Poland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Slovenia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Spain	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Sweden	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Switzerland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
United Kingdom	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	



Technical changes for upgrading FedEx Tracking Requests v8 or earlier to v20 (2021)

Endpoints

There are new endpoints – in the future use for

Production: <https://ws.fedex.com:443/web-services/track>

Test: <https://wsbeta.fedex.com:443/web-services/track>

The old endpoints are still working but will be decommissioned in the near future.

Effective **May 29, 2021**, FedEx will **no longer accept** a security protocol below TLSv1.2 for any of our production web services gateway servers. After that date, any communication requests submitted to FedEx **using a security protocol below TLSv1.2 will fail.**

<PackageIdentifier>

The <PackageIdentifier> element has been updated. Several changes will need to be completed before requests created in version 8 or prior will work in version 20.

The element <PackageIdentifier> has been embedded into the element <SelectionDetails>.

The nested elements <Type> and <Value> have swapped position (<Type> coming first now).

The optional element <IncludeDetailedScans> with its values “true” and “false” has been replaced by the optional element <ProcessingOptions> requiring e.g. value “INCLUDE_DETAILED_SCANS” for the same purpose.

Version 7 and before	Version 20 (current)
<pre><PackageIdentifier> <Value>947566192714</Value> <Type>TRACKING_NUMBER_OR_DOORTAG</Type> </PackageIdentifier> <IncludeDetailedScans>true</IncludeDetailedScans></pre>	<pre><SelectionDetails> <PackageIdentifier> <Type>TRACKING_NUMBER_OR_DOORTAG</Type> <Value>947566192714</Value> </PackageIdentifier> </SelectionDetails> <ProcessingOptions>INCLUDE_DETAILED_SCANS</ProcessingOptions></pre>

Same applies for Tracking by Reference, where the <Type> would be “SHIPPER_REFERENCE” instead of “TRACKING_NUMBER_OR_DOORTAG”.



Technical changes for upgrading FedEx Rate Requests v9 or earlier to v31 (2021)

Note: *There are no changes required for version higher than v16 of the Rate WSDL to comply with the current 2021 release of the Rate WSDL (v31).*

For changes to <RateRequestTypes> until version 14, please see related chapter further down.

Endpoints

The new endpoints for Rating are:

Production: <https://ws.fedex.com:443/web-services/rate>

Test: <https://wsbeta.fedex.com:443/web-services/rate>

The old endpoints are still working but will be decommissioned in the near future.

Effective **May 29, 2021**, FedEx will **no longer accept** a security protocol below TLSv1.2 for any of our production web services gateway servers. After that date, any communication requests submitted to FedEx **using a security protocol below TLSv1.2 will fail**.

<ServiceType>

As indicated previously in this document, the <ServiceType> options in your current solution must be adjusted to accommodate the new FedEx Service types:

FEDEX_REGIONAL_ECONOMY

FEDEX_REGIONAL_ECONOMY_FREIGHT

FEDEX_INTERNATIONAL_PRIORITY

FEDEX_INTERNATIONAL_PRIORITY_EXPRESS

FEDEX_INTERNATIONAL_CONNECT_PLUS

<PackageDetail>

The optional <PackageDetail> element has been removed without replacement.

New elements have been introduced, to be provided under <RequestedPackageLineItems>

While <SequenceNumber> and <GroupPackageCount> are mandatory, <GroupNumber> is optional.

Version 9 and before	Version 31 (current)
<pre>... <BlockInsightVisibility>false</BlockInsightVisibility> <RateRequestTypes>ACCOUNT</RateRequestTypes> <PackageCount>2</PackageCount> <PackageDetail>INDIVIDUAL_PACKAGES</PackageDetail> <RequestedPackageLineItems> <Weight> <Units>KG</Units> <Value>2</Value> </Weight> <Dimensions> <Length>30</Length> <Width>20</Width> <Height>20</Height> <Units>CM</Units> </Dimensions> </RequestedPackageLineItems> <RequestedPackageLineItems> <Weight> <Units>KG</Units> <Value>2</Value> </Weight> <Dimensions> <Length>30</Length> <Width>20</Width> <Height>20</Height> <Units>CM</Units> </Dimensions> </RequestedPackageLineItems></pre>	<pre>... <BlockInsightVisibility>false</BlockInsightVisibility> <RateRequestTypes>LIST</RateRequestTypes> <PackageCount>2</PackageCount> <RequestedPackageLineItems> <SequenceNumber>1</SequenceNumber> <GroupNumber>1</GroupNumber> <GroupPackageCount>1</GroupPackageCount> <Weight> <Units>KG</Units> <Value>2</Value> </Weight> <Dimensions> <Length>30</Length> <Width>20</Width> <Height>20</Height> <Units>CM</Units> </Dimensions> </RequestedPackageLineItems> <RequestedPackageLineItems> <SequenceNumber>2</SequenceNumber> <GroupNumber>1</GroupNumber> <GroupPackageCount>1</GroupPackageCount> <Weight> <Units>KG</Units> <Value>2</Value> </Weight> <Dimensions> <Length>30</Length> <Width>20</Width> <Height>20</Height> <Units>CM</Units> </Dimensions> </RequestedPackageLineItems></pre>

<RateRequestTypes>

<RateRequestTypes> indicates the type of rates to be returned. Valid values are:

- **LIST** — Returns both account-specific (discounted) rates and standard published rates.
- **PREFERRED** — Returns account-specific rates in the currency specified in the <PreferredCurrency> element, if the element is included in the request.
- **NONE** — Returns no rates in response.

To receive account-specific rates in your base currency only, do not send this element in the request at all.

The previously used value ACCOUNT was valid until v14, thereafter it has been removed. For comparable functionality, use PREFERRED.

Version 14 and before	Version 31 (current)
<RateRequestTypes> ACCOUNT </RateRequestTypes>	<RateRequestTypes> PREFERRED </RateRequestTypes>

If you wish to have account-specific rates returned in a currency different to the base currency of your account, use the new optional element <PreferredCurrency> to specify the desired currency of the rate quote. This may differ from the currency you declare in your ship request.

Example:

Version 14 and before	Version 31 (current)
Not available	<pre><RequestedShipment> <ShipTimestamp>2021-02-10T09:30:47-01:00</ShipTimestamp> <DropoffType>REQUEST_COURIER</DropoffType> <PackagingType>YOUR_PACKAGING</PackagingType> <TotalWeight> <Units>KG</Units> <Value>3</Value> </TotalWeight> <PreferredCurrency>CAD</PreferredCurrency></pre>

Should you encounter issues when moving to the 2021 version of FedEx Web Services, do not hesitate to reach out to the FedEx Customer Technology team.

