

HPFS Web services integration guide



Web Services—Capabilities



Get lease pricing quote



Get subscription pricing quote



Create credit request



Retrieve credit decisions within seconds

Why should you choose HPFS Web Services?

Business Value

- Create value for you and your customer by utilizing HP Financial Services pricing and credit web services.
- Gain access to our capabilities directly from your order management systems and storefronts.
- Use our Web Services for simplified customer engagement and to close deals faster.

Simple Implementation

- Web service technology easily integrates HP Financial Services credit scoring and pricing engine functionality into your company's applications.
- Your sales reps no longer need to login into a separate system to offer financial services.
- Our web services are compatible across multiple devices including mobile for a workforce on-the-go.
- Certificate provided on request for Secure connection

HP Financial Services Web Services have been designed to enable system to system integration between HP Financial Services core applications and HP partner applications.

Utilizing industry standard API implementation, HP Financial Services Web Services features a list of functions that can be called from external applications through **SOAP** and **REST** technologies over standard internet secure protocols.

HP Financial services has made two distinct groups of web services available:

HPFS **Credit** Web Services include:

- The **Create a Credit Request** API to securely produce credit applications on behalf of your customers with fast or immediate credit decisions with minimal data elements required. Gain access to HP Financial Services' automated credit scoring engine for high-precision credit decisions within seconds for applicable deals.
- The **Get Credit Request Status** API to retrieve credit decision statuses on deals not eligible for HP Financial Services' automated credit scoring.

HPFS **Pricing** Web Services include:

- The **Quick Quote** indicative pricing API to quickly provide customers with flexible payment options for the technology they need
- The **Quick Quote with Margin Uplift** indicative pricing API with a margin uplift feature that provides opportunity to increase profitability on deals

HP Financial Services Credit Web Services

By consuming the HPFS Credit Web Services, partners will be able to call various technical operations to submit credit applications from their systems to the HP Financial Services credit management system. Each application request will receive a unique credit request ID that can be used to retrieve credit application status.

Create Credit Request method

The Create Credit Request method will allow external parties to submit a credit request to HP Financial Services. Detailed below are the inputs and outputs to/from the method.

Create Credit Request method inputs

The table below lists all the data elements available to be sent to the Create a Credit Request method. The data element name, optional\mandatory indicator and a description are listed in this table.



HPFS Credit Service

- Embed directly into your order management systems or storefronts
- Minimum customer details required for identification and scoring
- Potential for Approval within seconds utilising the HPFS Credit Auto Scoring technologies
- Embed in your mobile applications for point of sales HPFS credit approval

Credit Service URLs

Test Soap:

<https://it-services-gw-csc-stg.itcs.hp.com/gw/gfit/hpfs/creditservice.stg/soap/1.0>

Test Rest:

<https://it-services-gw-csc-stg.itcs.hp.com/gw/gfit/hpfs/creditservice.stg/rest/1.0>

Production Soap:

<https://it-services-gw-csc.external.hp.com/gw/gfit/hpfs/creditservice/soap/1.0>

Production Rest:

<https://it-services-gw-csc.external.hp.com/gw/gfit/hpfs/creditservice/rest/1.0>

| Ref # | Field | Required | Description |
|-------|-----------------------|----------|--|
| 1 | TransmissionID | 0 | Unique transaction id supplied by the calling service client |
| 2 | ClientProgramID | 0 | Unique client calling source application name—provided by HPFS |
| 3 | PartnerID | 0 | Unique ID provided by HPFS |
| 4 | CustomerName | M | Legal Customer Name |
| 5 | CustomerAddressLine1 | M | Customer Address Line1 |
| 6 | CustomerAddressLine2 | 0 | Customer Address Line2 |
| 7 | CustomerCity | M | Customer Address City |
| 8 | CustomerStateCode | 0\M | Customer Address State code—mandatory in certain countries |
| 9 | CustomerPostalCode | 0/M | Customer Postal Code - mandatory in certain countries |
| 10 | CustomerCountry | M | Customer Country Address ISO2 |
| 11 | CustomerPhone | 0 | Customer Phone Number |
| 12 | HPFSCustomerNumber | 0 | Unique HPFS Customer number |
| 13 | DNBNumber | 0 | Unique Dun and Bradstreet customer ID |
| 14 | TotalRequestedAmount | M | Credit request total amount |
| 15 | RequestAmountCurrency | M | Request currency ISO3 |
| 16 | DirectCustomer | M | Indicates whether the request is submitted by a customer directly or not |
| 17 | Comments | 0 | Additional comments—will be provided to HPFS Credit Analyst |

Create Credit Request method outputs

The table below lists all the data elements output from the Create a Credit Request method. The data element name, optional\mandatory indicator and a description are listed in this table.

| Ref # | Field | Required | Description |
|-------|----------------------------|----------|--|
| 1 | TransmissionID | 0 | Unique transaction id supplied by the client |
| 2 | HPFSCreditRequestID | M | Unique HPFS credit request ID |
| 3 | PPCreditApplicationID | 0 | Unique Partner Connection credit application ID |
| 4 | HPFSCreditDecision | M | HPFS Credit decision |
| 5 | HPFSFinalCreditDecisionInd | M | Indicates if the returned decision is final. See Appendix A in this document for a full list of returned decision types and their final decision indicator. |
| 6 | Comments | 0 | Comments entered by the HPFS credit analyst |

Get Credit Request Status method

The Get Credit Request Status method will allow the requesting application to retrieve the latest HPFS credit request decision status in the scenarios where the credit request is not auto approved as part of the original Credit Request Method. Detailed below are the inputs and outputs to/from this method.

Credit Request Status method inputs

The table below lists all the data elements available to be sent to the Credit Request Status method. The data element name, optional\mandatory indicator and a description are listed in this table.

| Ref # | Field | Required | Description |
|-------|---------------------|----------|--|
| 1 | TransmissionID | 0 | Unique transaction id supplied by the calling service client |
| 2 | ClientProgramID | 0 | Unique client calling source application name—provided by HPFS |
| 3 | PartnerID | 0 | Unique ID provided by HPFS |
| 4 | HPFSCreditRequestID | M | Unique HPFS credit request ID |

Credit Request Status method outputs

The table below lists all the data elements output from the Credit Request Status method. The data element name, optional\mandatory indicator and a description are listed in this table.

| Ref # | Field | Required | Description |
|-------|----------------------------------|----------|--|
| 1 | TransmissionID | 0 | Unique transaction id supplied by the calling service client |
| 2 | HPFSCreditRequestID | M | Unique HPFS credit request ID |
| 3 | HPFSCreditDecision | M | HPFS Credit decision |
| 4 | HPFSFinalCreditDecisionIndicator | M | Indicates if the returned decision is final. See Appendix A in this document for a full list of returned decision types and their final decision indicator. |
| 5 | Comments | 0 | Comments entered by the HPFS credit analyst |



HPFS Indicative Pricing Service

- Embeds directly into your order management systems and storefronts
- Simple interface that delivers financing options to the customer
- Partner pricing uplift enabled for increased productivity incentives
- Embed in your mobile applications for point of sales quoting

HP Financial Services Pricing Web Services

The Quick Quote and Quick Quote with Margin Uplift Web Services can be called from partner systems enabling HP Financial Services indicative pricing to be shown as an option to the customer. Ability to retrieve pricing options for different payment and finance options.

Quick Quote with Margin Uplift method

The Quick Quote with Margin Uplift method will return HPFS finance options and indicative pricing based on HW/Printer/Services amounts including partner uplift capability.

Pricing Service URLs

Test Soap:

<https://it-services-gw-csc-stg.itcs.hp.com/gw/gfit/hpfs/pricing-service.stg/soap/1.0>

Test Rest:

<https://it-services-gw-csc-stg.itcs.hp.com/gw/gfit/hpfs/creditservice.stg/rest/1.0>

Production Soap:

<https://it-services-gw-csc.external.hp.com/gw/gfit/hpfs/creditservice/soap/1.0>

Production Rest:

<https://it-services-gw-csc.external.hp.com/gw/gfit/hpfs/creditservice/rest/1.0>

Quick Quote with Margin Uplift method inputs

The table below lists all the data elements available to be sent to the Quick Quote with Margin Uplift method. The data element name, optional\mandatory indicator and a description are listed in this table

| Ref # | Field | Required | Description |
|-------|------------------------|----------|--|
| 1 | TransmissionId | 0 | Unique transaction id supplied by the client |
| 2 | ClientProgramID | 0 | Unique client calling source application name—provided by HPFS |
| 3 | RequestCountry | M | Required Price country |
| 4 | RequestCurrency | M | Required price currency |
| 5 | LeaseTerm | M | Lease term |
| 6 | LeaseTypes | M | Types of lease |
| 7 | PaymentFrequency | 0 | Payment frequencies |
| 8 | FMVMargin% | 0 | Fair Market Value % |
| 9 | FinanceLeaseMargin% | 0 | Finance Lease Margin% |
| 10 | LoanMargin% | 0 | Loan Margin % |
| 11 | HardwareAmount | M | Hardware amount |
| 12 | PrintersAmount | M | Printers amount |
| 13 | SoftwareAmount | M | Software amount |
| 14 | ServicesAndOtherAmount | M | Service amount |

Quick Quote with Margin Uplift method outputs

The table below lists all the data elements output from the Quick Quote with Margin Uplift method. The data element name, optional\mandatory indicator and a description are listed in this table.

| Ref # | Field | Required | Description |
|-------|--------------------------|----------|--|
| 1 | TransmissionId | 0 | Unique transaction id supplied by the client |
| 2 | LeaseTerm | 0 | Lease term |
| 3 | LeaseTypes | 0 | Types of lease |
| 4 | PaymentFrequency | 0 | Payment frequencies |
| 5 | RepaymentAmount | 0 | Repayment amount |
| 6 | RepaymentAmountIncUplift | 0 | Repayment amount including uplift value |

Quick Quote method

The get Quick Quote method will return HPFS finance options and indicative pricing based on HW/Printer/Services amounts.

Quick Quote method inputs

The table below lists all the data elements available to be sent to the Quick Quote method. The data element name, optional\mandatory indicator and a description are listed in this table.

| Ref # | Field | Required | Description |
|-------|------------------------|----------|--|
| 1 | TransmissionId | O | Unique transaction id supplied by the client |
| 2 | ClientProgramID | O | Unique client calling source application name—provided by HPFS |
| 3 | RequestCountry | M | Required Price country |
| 4 | RequestCurrency | M | Required price currency |
| 5 | LeaseTerm | M | Lease term |
| 6 | LeaseTypes | M | Types of lease |
| 7 | PaymentFrequency | O | Payment frequencies |
| 8 | HardwareAmount | M | Hardware amount |
| 9 | PrintersAmount | M | Printers amount |
| 10 | SoftwareAmount | M | Software amount |
| 11 | ServicesAndOtherAmount | M | Service amount |

Quick Quote method outputs

The table below lists all the data elements output from the Quick Quote method. The data element name, optional\mandatory indicator and a description are listed in this table.

| Ref # | Field | Required | Description |
|-------|------------------|----------|--|
| 1 | TransmissionId | O | Unique transaction id supplied by the client |
| 2 | LeaseTerm | O | Lease term |
| 3 | LeaseTypes | O | Types of lease |
| 4 | PaymentFrequency | O | Payment frequencies |
| 5 | RepaymentAmount | O | Repayment amount |

Appendix A: Credit request status mapping table

| Credit Status Code | Credit Decision Return Value | Final Decision |
|--------------------|------------------------------|----------------|
| APPVD | Approved | Y |
| CCRFM | Approved | Y |
| CNAPP | Conditional Approved | Y |
| DCLND | Declined | Y |
| GRPAR | Under Manual Review | N |
| MINFN | More Information Required | N |
| MINFP | More Information Provided | N |
| PSCMP | Pre Screen Complete | Y |
| RCAPP | Under Manual Review | N |
| REWRQ | Under Manual Review | N |
| UNREW | Under Manual Review | N |
| WTDRN | Withdrawn | Y |

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