



Australian Government
Department of Human Services



Adaptor to Web Service Workshop

Technical Implementation

- RESTful web service architecture will be used
- Transport Level Security(HTTPS) will be used for security
- PRODA (JWT) will be used for authentication
- The lightweight and human-readable JSON format will be used for quick data exchange
- This architecture will ensure the solution is operating system and platform (including mobile devices) agnostic



JSON Message Example

REQUEST

```
{
  "actualContribution": "25",
  "authorityApprovalNum": "03456D",
  "authorityPrescriptionNum": "23423377",
  "brand": "AF",
  "chemoCompounderId": "232",
  "closingTheGap": "C2345",
  "contributionDiscount": "23",
  "dateOfDispensing": "2019-02-12",
  "dateOfPrescribing": "2019-12-02",
  "dateOfSupply": "2019-02-12",
  "entitlementId": "123445",
  "epFlag": "Y",
  "familyName": "White",
  "formCategory": "2",
  "givenName": "Huyton",
  "glassBottleInd": "Y",
  "healthPractitionerNumber": "PHA0000000000",
  "hospitalProviderNum": "0036710F",
  "immediateSupplyNecessaryInd": "N",
  "infusionSerialId": "12345677GDSF",
  "lastRepeatScriptDate": "2019-01-01",
  "medChartDuration": "2",
  "medicareNum": "1234567891",
  "numberOfRepeats": "2",
  "originalApprovalNum": "12334F",
  "originalUniquePharmacyPrescriptionNum": "12345678901233460",
  "patientCategory": "1",
  "paymentCategory": "3",
  "pbsItemCode": "00048M",
  "pesId": "AAZ",
  "pharmacyProcessingCode": "CC",
  "prescriberId": "1234567",
  "prescriptionFormat": "C",
  "previousSupplies": "5",
  "price": "25",
  "quantity": "4",
  "racflId": "3456",
  "regulation24Ind": "Y",
  "resubmissionInd": "N",
  "rtacId": "123456",
  "serialNum": "12345",
  "streamlinedAuthorityCode": "7877"
}
```

RESPONSE

```
{
  "status": "SUCCESS",
  "httpStatus": "OK",
  "stmtChecksum": {
    "present": true
  },
  "stmtHeader": {
    "approvalNum": "00633H",
    "claimPeriodNum": "1815",
    "statementType": "C",
    "scriptType": "CLAIM",
    "statementTimestamp": {
      "epochSecond": 1525409125,
      "nano": 160000000
    }
  },
  "stmtPaymentSummaries": [],
  "stmtPrescriptions": [
    {
      "actualContribution": 3000,
      "adjustedPrice": 47923932,
      "claimReference": "1001",
      "contributionDiscount": 100,
      "dispensedPrice": 47924552,
      "epFee": 0,
      "epFeeAdj": 0,
      "familyName": "ABERNETHY",
      "givenName": "ALOYSIA",
      "reasonCodes": [
        "W 154",
        "W 156",
        "W 158",
        "W 160",
        "W 162",
        "I 264"
      ]
    }
  ]
}
```

Note: Unrelated examples



Upfront Validation using YAML

swagger: '2.0'

definitions:

B2bScriptApiRequest:

type: "object"

properties:

actualContribution:

type: "string"

xml:

attribute: true

description: "Actual Contribution"

example: "25"

authorityApprovalNum:

type: "string"

xml:

attribute: true

description: "Authority Approval Number"

example: "03456D"

authorityPrescriptionNum:

type: "string"

xml:

attribute: true

description: "Authority Prescription Number"

example: "23423377"

brand:

type: "string"

xml:

attribute: true

description: "Brand"

example: "AF"

chemoCompounderId:

type: "string"

xml:

attribute: true

description: "Chemo Compounder Id"

example: "A23211"

closingTheGap:

type: "string"

xml:

B2bScriptApiResponse:

properties:

dispensedPrice:

type: "number"

format: "double"

example: 113.25

description: "dispensing price"

dispensingIncentiveAmt:

type: "number"

format: "double"

description: "dispensing Incentive Amount"

example: 0

epFeeAmt:

type: "number"

description: "Electronic Prescription Fee"

format: "double"

example: 0

netPrice:

type: "number"

description: "Net Price"

format: "double"

example: 2000.67

onlineIncentiveAmt:

type: "number"

description: "Online Incentive Amount"

format: "double"

example: 0

pbsItemCode:

type: "string"

description: "Pbs Item Code"

example: "00048M"

pbsReferenceNum:

type: "string"

description: "Pbs Reference Number"

example: "100067355825"

parameters:

Authorization:

name: "Authorization"

type: "string"

required: true

in: "header"

description: "JWT header for authorization"

default: "eyJraWQiOiJC..."

dhs-auditId:

name: "dhs-auditId"

type: "string"

required: true

in: "header"

description: "DHS Audit ID"

default: "soapeProdExternal"

dhs-subjectId:

name: "dhs-subjectId"

type: "string"

required: true

in: "header"

description: "DHS Subject ID"

default: "soapePatternResponse"

dhs-messageId:

name: "dhs-messageId"

type: "string"

required: true

in: "header"

description: "DHS Message ID"

default: "urn:uuid:a83f0c71-84a1-42c5-a442-51ea754f088e"

dhs-auditIdType:

name: "dhs-auditIdType"

type: "string"

required: true

in: "header"

description: "DHS Audit Type"

default: "patternName"

Upfront Validation using YAML

- When transmissions are received they will be validated against the YAML interface and any inconsistencies will be returned immediately as errors

Business Validations

- Once the message passes the YAML validation successfully, the hub application will apply business validations on the message
- Individual field validations will be applied as per business rules
- Then cross validation on fields will be applied
- If errors are found, all the errors will be returned in the response
- The errors returned will contain a reason code which can be matched with previously provided reason code text and fix instructions

Enhancements

- Platform agnostic. Not limited to Windows, Red Hat and Mac OS etc...
- Mobile devices can also be used as client devices

Backward Compatibility

- Claims submitted using adaptor can be re-submitted using web service software

Available Web Services

- B2B Claim
- B2B UnderCo Claim
- B2B Claim Cancel
- B2B UnderCo Claim Cancel
- B2B Claim Statement
- B2B UnderCo Claim Statement
- B2B Close Claim

Questions

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