

# Export report to PDF

The **Export Report to PDF** endpoint exports a generated mortgage report to PDF format and returns a downloadable PDF file URL.

## Request

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- Type: `POST`
  - Path: `/engine/export-report-pdf`
- 

## Endpoint

The Export Report to PDF endpoint can be accessed from the following URLs:

Environment	Endpoint URL
Test	<code>https://api.mre.test.blackfin.tools/engine/export-report-pdf</code>
Production	<a href="https://api.mre.blackfin.tools/engine/export-report-pdf">https://api.mre.blackfin.tools/engine/export-report-pdf</a> <b>(NOT LIVE)</b>

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## Authentication

An `API_Key` is required to call this endpoint. [HTTP Bearer Token authentication](#) is used.

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# JSON Schema

The request payload is sent as HTTP JSON body using the following schema:

```
{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "title": "Export Report to PDF Request",
  "description": "Request payload for exporting a generated mortgage report to PDF format",
  "properties": {
    "reportId": {
      "type": "string",
      "description": "ID of the report to export",
      "minLength": 1
    },
    "lenders": {
      "type": "array",
      "description": "Array of lender codes to include in the PDF",
      "items": {
        "type": "string",
        "enum": [
          "aia",
          "anz",
          "asb",
          "bnz",
          "co-op",
          "kiwibank",
          "liberty",
          "sbs",
          "tsb",
          "westpac"
        ]
      },
      "minItems": 1,
      "uniqueItems": true
    },
    "currentLoanAmount": {
      "type": "number",
      "description": "Optional override for loan amount",
      "minimum": 0
    }
  }
}
```

```
},
"includeWarningsErrors": {
  "type": "boolean",
  "description": "Whether to include warnings and errors in the PDF",
  "default": false
},
"notes": {
  "type": "string",
  "description": "Optional notes to include in the PDF",
  "maxLength": 5000
}
},
"required": [
  "reportId",
  "lenders"
],
"additionalProperties": false
}
```

---

## Examples

Example request payload:

### JSON Request Body

```
{
  "reportId": "abc123def456",
  "lenders": ["anz", "asb", "westpac"],
  "currentLoanAmount": 500000,
  "includeWarningsErrors": true,
  "notes": "Custom notes for this PDF export"
}
```

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## Validation

The API performs validation on the request payload:

- `reportId` and `lenders` are required fields
- `lenders` must be a non-empty array with valid lender codes
- `currentLoanAmount` must be a positive number if provided
- `notes` cannot exceed 5000 characters

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## Response

### Success

If the Export Report to PDF completes successfully:

### JSON Body

```
{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "title": "Export Report to PDF Response",
  "description": "Response payload for the export report to PDF operation",
  "properties": {
    "url": {
      "type": "string",
      "description": "Signed download URL for the generated PDF file (valid for 24 hours)",
      "format": "uri",
      "pattern": "^https://",
      "example":
        "https://storage.googleapis.com/project.appspot.com/pdf_reports/abc123def456.pdf?GoogleAccessI
        d=...&Expires=1691234567&Signature=..."
    }
  }
}
```

```
},
"required": [
  "url"
],
"additionalProperties": false
}
```

## Examples

**200:** Success

### Success Response

```
{
  "url":
  "https://storage.googleapis.com/project.appspot.com/pdf_reports/abc123def456.pdf?GoogleAcc
  essId=...&Expires=1691234567&Signature=..."
}
```

## Error

If errors are encountered during the Export Report to PDF operation:

### JSON Body

```
{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "type": "object",
  "properties": {
    "error": {
      "type": "object",
```

```
"description": "Error information",
"properties": {
  "message": {
    "type": "string",
    "description": "Human readable error message"
  },
  "status": {
    "type": "string",
    "description": "Error code in uppercase letters and _ as space",
    "enum":
["INVALID_ARGUMENT", "NOT_FOUND", "INTERNAL_ERROR", "METHOD_NOT_ALLOWED", "UNAUTHENTICATED"]
  }
}
}
```

## Examples

### 400: Bad Request

#### Invalid input

```
{
  "error": {
    "message": "Invalid input: reportId and lenders are required",
    "status": "INVALID_ARGUMENT"
  }
}
```

### 401: Missing API Key

#### Missing API Key

```
{
  "error": {
    "message": "Missing API Key",
    "status": "UNAUTHENTICATED"
  }
}
```

## 401: Invalid API Key

### Invalid API Key

```
{
  "error": {
    "message": "Invalid API Key",
    "status": "UNAUTHENTICATED"
  }
}
```

## 404: Report Not Found

### Report not found

```
{
  "error": {
    "message": "Report not found",
    "status": "NOT_FOUND"
  }
}
```

## 405: Method Not Allowed

## Method not allowed

```
{
  "error": {
    "message": "Method Not Allowed",
    "status": "METHOD_NOT_ALLOWED"
  }
}
```

## Internal Server Error

### 500: Internal Server Error

```
{
  "error": {
    "message": "Error generating PDF",
    "status": "INTERNAL_ERROR"
  }
}
```

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