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# HIPS Structured Pathology Adapter

## Product Data Sheet

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### Key features

- Integration platform for healthcare providers to upload pathology reports to My Health Record.
- Integrates with an existing HIPS instance (HIPS 7.1 or higher) without modification of HIPS.
- Interacts with the national digital health infrastructure via the HIPS instance:
  - Healthcare Identifiers (HI) Service.
  - My Health Record system.
- Provides a SOAP web service with the same SOAP contract as the V2 pathology web service already available in HIPS to simplify integration for existing pathology sites.
- Comprehensive online documentation.

### Usage (internal, external)

- Large-scale digital health implementations, hospitals, state/territory health jurisdictions.
- Providers of diagnostic pathology laboratory services.
- Vendors of digital health systems using HIPS for My Health Record interaction.

### Format

- Binary code.
- Comprehensive documentation.

## Overview

The HIPS Structured Pathology Adapter (HIPS SPA) enables the upload and removal of pathology report documents to/from the My Health Record.

HIPS SPA is an optional add-on to HIPS. HIPS is a middleware product offering standards-based interfaces for seamless integration with systems like patient administration systems, clinical information systems, and laboratory and radiology information systems. It is aimed primarily at supporting large-scale digital health

environments typically found in organisations such as hospitals and diagnostic service providers; however, it is also suitable for direct integration with digital health products.

Key features of SPA include:

Infrastructure service	HIPS SPA key features
My Health Record system	<ul style="list-style-type: none"> <li>• Upload pathology reports.</li> <li>• Remove pathology reports.</li> </ul>
Healthcare Identifier Service	<ul style="list-style-type: none"> <li>• Obtain and validate the patient's IHI.</li> <li>• Obtain and validate the pathologist's HPI-I.</li> </ul>

## Background

The Australian Digital Health Agency has a strategic objective to support and facilitate the adoption of national digital health services across the health sector. A key element of delivering on this objective is supporting the implementation of solutions that integrate with the national Healthcare Identifiers Service and the My Health Record system.

To support this strategic objective, many newer features of HIPS are being provided as separate modules that can be installed alongside some existing versions of HIPS Core. These new modules enable new features to be rolled out, without the need for as many HIPS updates.

The HIPS SPA solution is a key building block in support of the objective. It will enable pathology providers and jurisdictions to upload and remove pathology reports containing structured result data.

## Product components

The SPA end product consists of the following product components:

Component	Description
Binary Software Package	Binary code for components of SPA: <ul style="list-style-type: none"> <li>○ Binary code</li> <li>○ Database installer and scripts</li> <li>○ PowerShell scripts</li> <li>○ HIPS Binary Software Licence Terms and Conditions</li> <li>○ HIPS Structured Pathology Adapter Third-Party Software Licences</li> </ul>
Product Data Sheet	This document
Release Note	Notes specific to the current SPA release
Functional Change Log	N/A for the initial release

## Documentation

SPA documentation is located on the Agency [Collaborate](#) site.

## System requirements

SPA is based on a few underlying platform software products and frameworks. This release of SPA has successfully been tested against the products and product versions listed in the sections below.

Usage of SPA with product versions other than those listed may require retesting of the product. This may include the need to repeat all required conformance and notice-of-connection tests.

SPA incorporates a number of third-party libraries that are listed in the HIPS Structured Pathology Adapter Third-Party Software Licenses document included in this release. These libraries are distributed as part of the HIPS SPA product.

### HIPS Product Suite Dependencies

SPA requires the following HIPS products to be installed:

<b>HIPS</b>	Version 7.1 or higher
<b>HIPS Core APIs</b>	Version 1.0 or higher.

For SPA to be used as a drop-in replacement for the existing HIPS pathology service in a site's integration, that integration must be with the V2 version of the HIPS service, i.e.

PathologyImagingServiceV2.UploadOrRemovePathology. If the V1 version of the service is in use (PathologyImagingService.UploadOrRemovePathology) then minimal integration development will be necessary to interface to SPA.

### HIPS Structured Pathology Adapter Infrastructure Requirements

#### Support Definitions

The following definitions are italicised in the table below and used to show the support status of the software platforms.

- **Supported tested versions:** Each major release is developed and tested against the latest released version of the infrastructure software components. The same infrastructure versions are subsequently used for testing minor and patch releases associated with the same HIPS major release.
- **Supported latest versions:** These versions have been released after the *supported tested versions* were selected.
- **Supported non-current versions:** While support is provided on previous released versions of infrastructure, should a raised support ticket be found to be caused by an earlier version of the infrastructure, it is the implementer's responsibility to upgrade the infrastructure to resolve the ticket.
- **Unsupported versions:** These software versions may cause SPA to work incorrectly or are no longer maintained by the software vendor. Sites should no longer use these versions of software and ensure that the latest supported versions of infrastructure software are installed.

The SPA components require the following software platforms:

<b>Operating system</b>	HIPS Structured Pathology Adapter 1.x has been tested on Windows Server 2022. HIPS Structured Pathology Adapter 1.x is supported on: <ul style="list-style-type: none"> <li>Windows Server 2012 R2 (tested)<sup>1</sup></li> <li>Windows Server 2016 (<i>non-current</i>)</li> <li>Windows Server 2019 (<i>non-current</i>)</li> <li>Windows Server 2022 (<i>tested</i>)</li> </ul>
<b>.NET Core</b>	HIPS Structured Pathology Adapter 1.x has been tested on .NET 8.0.2 runtime. HIPS Structured Pathology Adapter 1.x is supported on: <ul style="list-style-type: none"> <li>.NET 8.0.2 (<i>tested – latest LTS version at major</i>)</li> <li>Any future .NET 8.0.x patch</li> </ul>
<b>ASP.NET Core Runtime - Hosting Bundle</b>	HIPS Structured Pathology Adapter 1.x has been tested on ASP.NET Core Runtime 8.0.2 Hosting Bundle HIPS Structured Pathology Adapter 1.x is supported on: <ul style="list-style-type: none"> <li>ASP.NET Core Runtime 8.0.2 Hosting Bundle (<i>tested</i>)</li> <li>Any future ASP.NET Core Runtime 8.0.x Hosting Bundle patch</li> </ul>
<b>Database Management System</b>	HIPS Structured Pathology Adapter 1.x has been tested on SQL Server 2019. HIPS Structured Pathology Adapter 1.x is supported on: <ul style="list-style-type: none"> <li>SQL Server 2014 (<i>non-current</i>)</li> <li>SQL Server 2016 (<i>tested</i>)</li> <li>SQL Server 2017 (<i>non-current</i>)</li> <li>SQL Server 2019 (<i>tested</i>)</li> <li>SQL Server 2022 (<i>latest</i>)</li> </ul>
<b>HIPS</b>	HIPS Structured Pathology Adapter 1.x requires HIPS 7.1 or higher
<b>HIPS Core APIs</b>	HIPS Structured Pathology Adapter 1.x requires HIPS Core APIs 1.0 or higher.

## Licence

The HIPS Structured Pathology Adapter Binary Software is licensed under the *HIPS Binary Software – Software License Terms and Conditions* (included in the HIPS Structured Pathology Adapter Binary Software Package).

## Downloads

HIPS Structured Pathology Adapter can be downloaded from the Agency Collaborate site [here](#).

## Support

The HIPS Structured Pathology Adapter product is provided in binary code form.

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<sup>1</sup> Although Windows Server 2012 R2 has reached end of extended support by Microsoft, HIPS SPA has been specifically tested against this version.

The Agency provides support to sites that use the Agency-provided binary version of HIPS Structured Pathology Adapter <sup>2</sup>.

Please contact the Agency for details of available support services.

For further information about the product or to provide feedback, please email the Agency Help Centre at [help@digitalhealth.gov.au](mailto:help@digitalhealth.gov.au) or phone 1300 901 001. Your views on the scope and usability of HIPS Structured Pathology Adapter will inform future releases.

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