



SDP PRODUCT BREAKDOWN STRUCTURE

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02	2016-08-08	-	SDP Product Tree Diagram
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LIST OF ABBREVIATIONS

FFT	Fast Fourier Transform
iFFT	Inverse Fast Fourier Transform
I/O	Input/Output
NIC	Network Interface Card
NIP	Non-Imaging Processing
PBS	Product Breakdown Structure
SDP	Science Data Processor
SKA	Square Kilometre Array
SKAO	SKA Project Office

1 Introduction

1.1 Purpose of the document

This document contains the Product Breakdown Structure (PBS) of the Science Data Processor (SDP) element of SKA1. The PBS contains the physical hardware and software elements of the SDP architecture [AD1].

1.2 Scope of the document

This document contains the SDP PBS in list and diagram format. To avoid duplication, refer to the SDP System-level Module Decomposition and Dependency View document for detailed descriptions of the SDP Software products (modules) [AD1] and refer to the SDP Hardware Decomposition View document [AD1] for detailed descriptions of the SDP Hardware products.

2 References

2.1 Applicable documents

The following documents are applicable to the extent stated herein. In the event of conflict between the contents of the applicable documents and this document, **the applicable documents** shall take precedence.

[AD1] SKA-TEL-SDP-0000013 SDP Architecture documentation, Rev4C

3 Product Breakdown Structure

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 - P.2.1.1.6.2 Bulk power supply

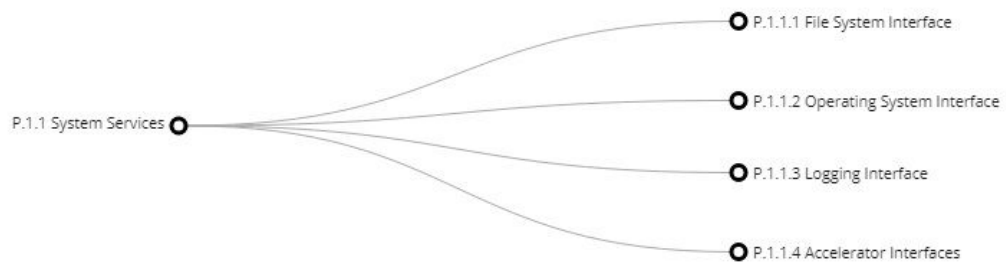
- P.2.1.1.6.3 Cable management
 - P.2.1.1.6.4 Local cooling (i.e. water cooled rack doors)
 - P.2.1.1.6.5 Rack
- P.2.1.2 Interconnect System
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 - P.2.1.3.2 High capacity power equipment (cables, etc)
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 - P.2.2.1 Hierarchical Storage Management
 - P.2.2.2 Intermediate Storage
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3.2 Diagrams

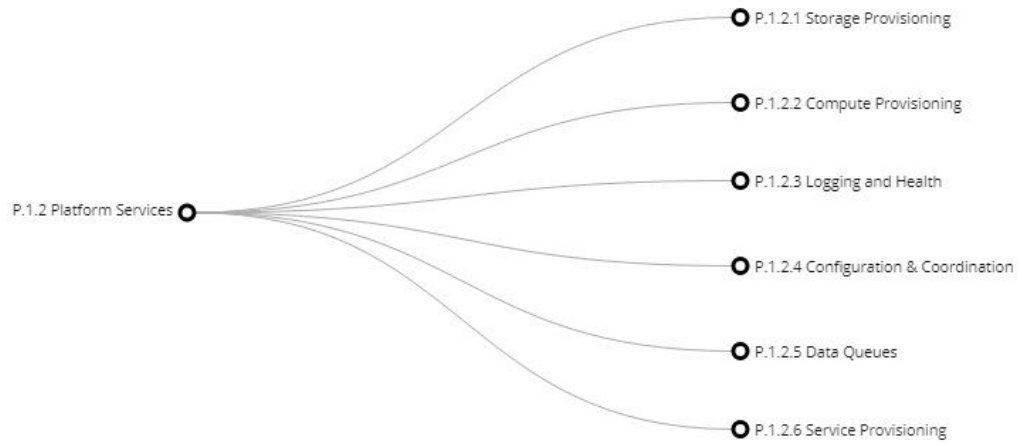
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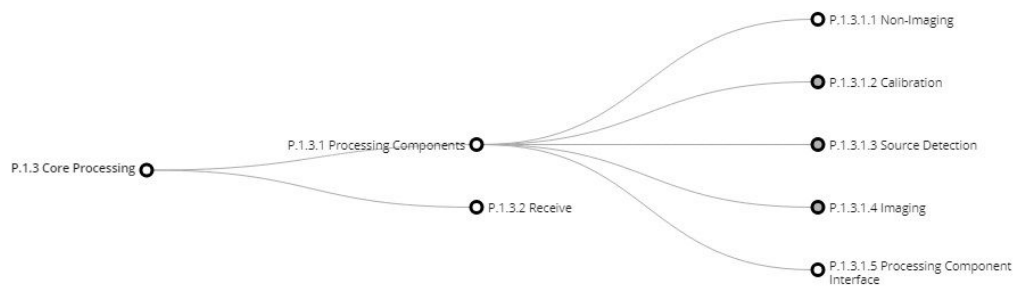
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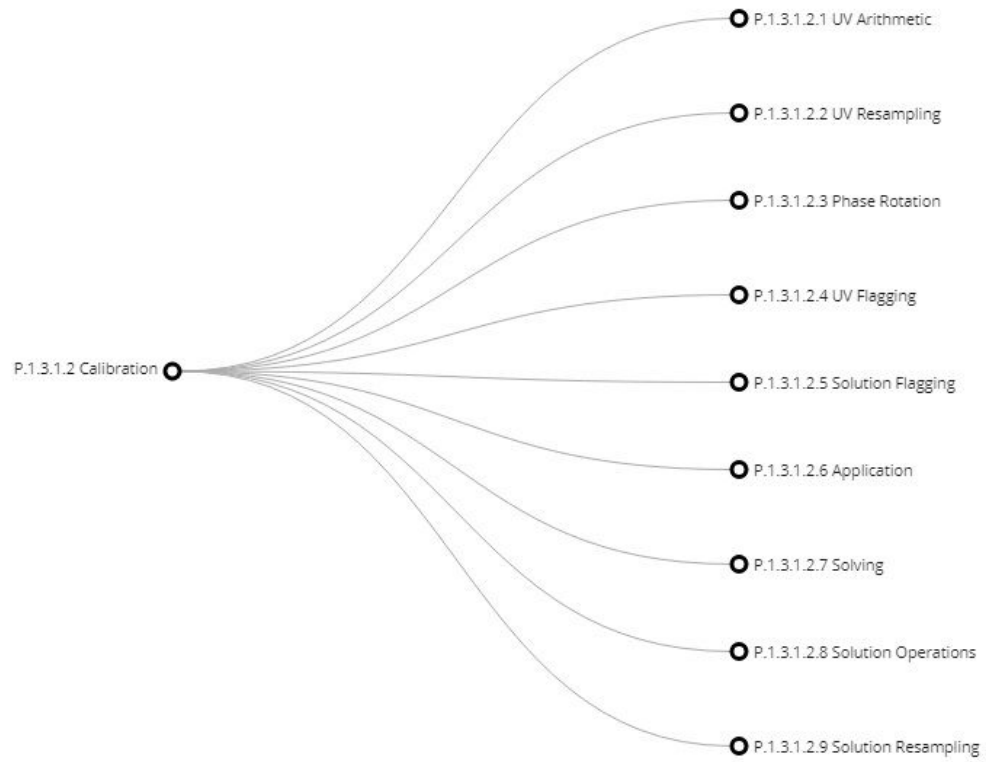
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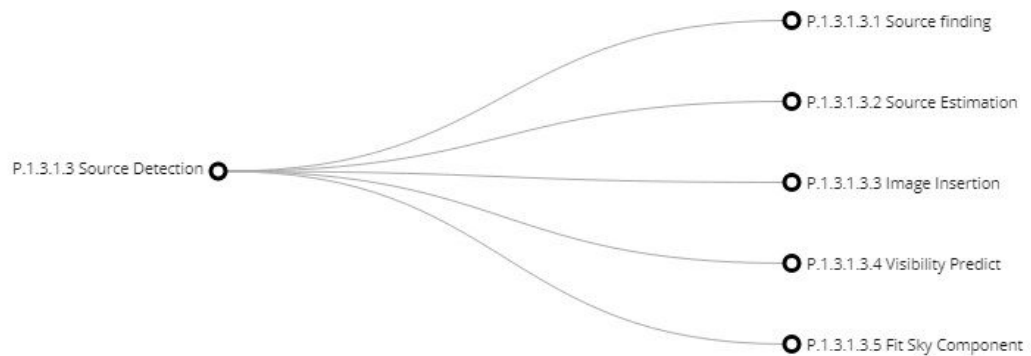
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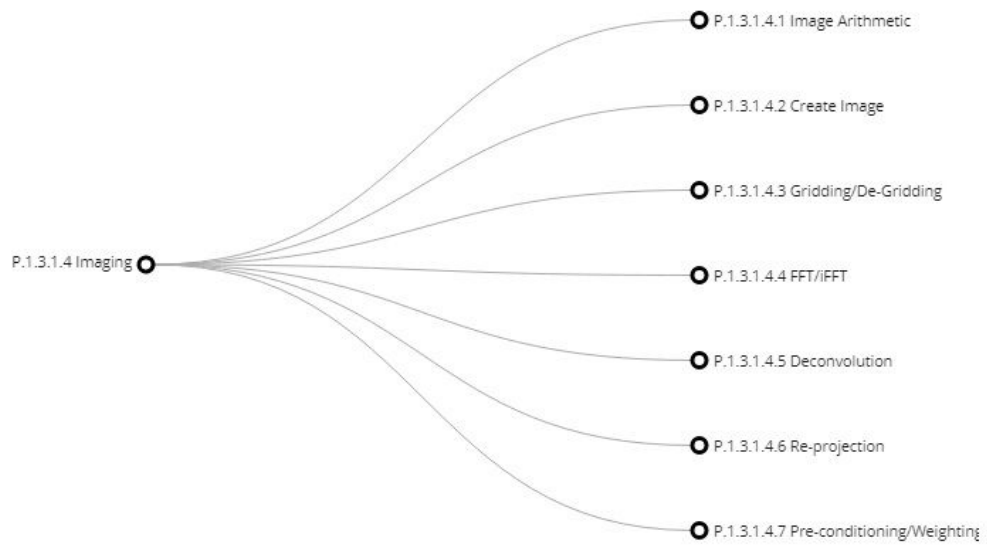
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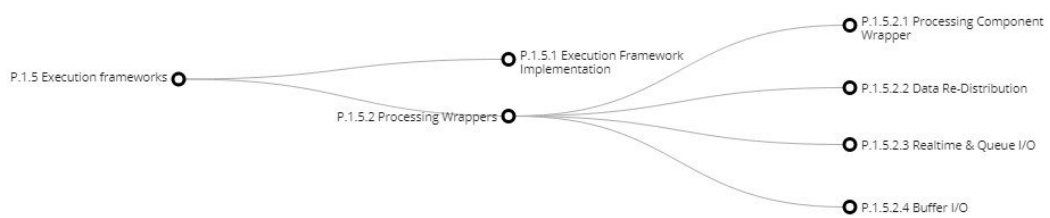
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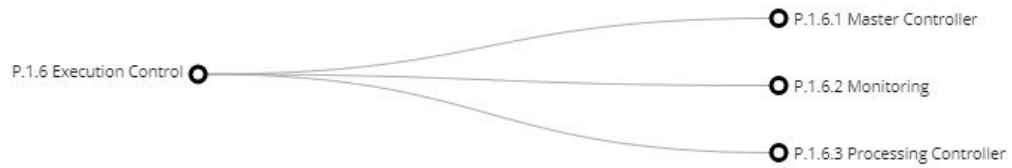
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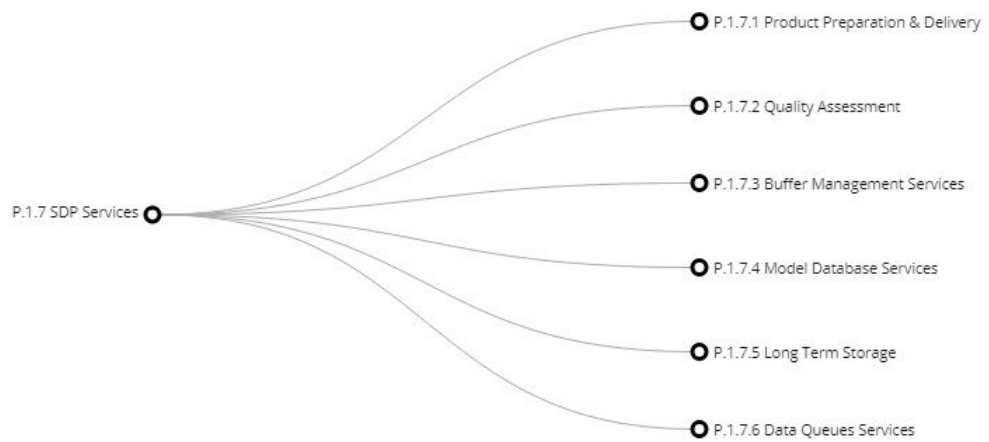
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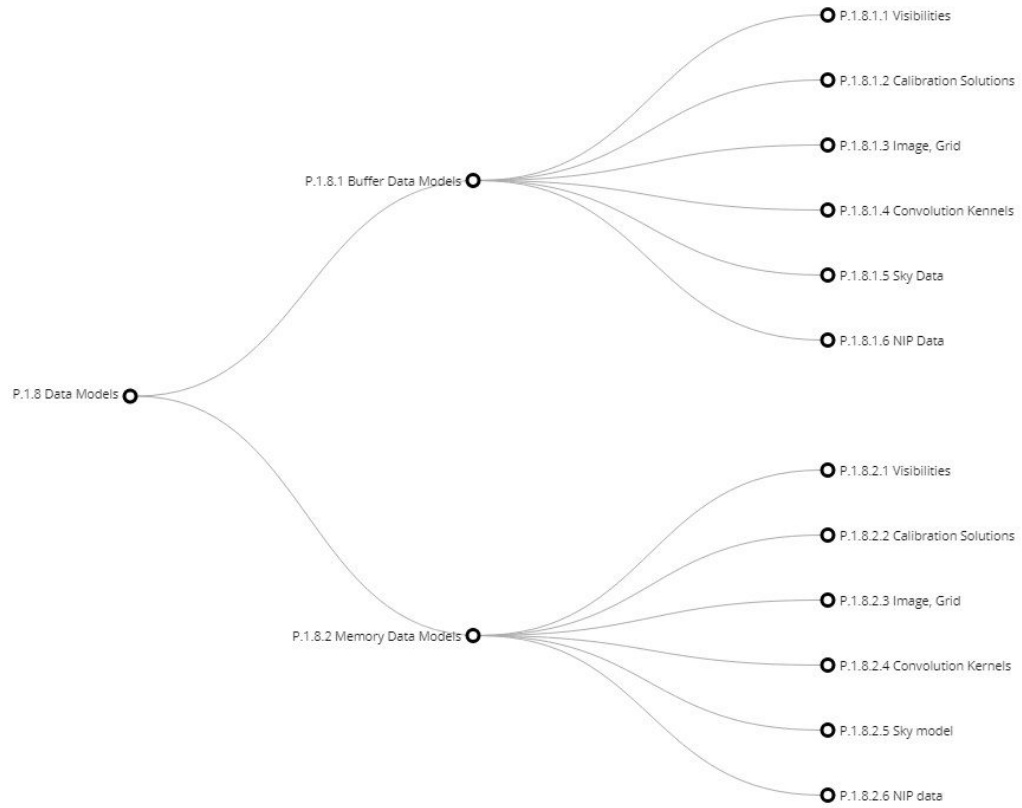
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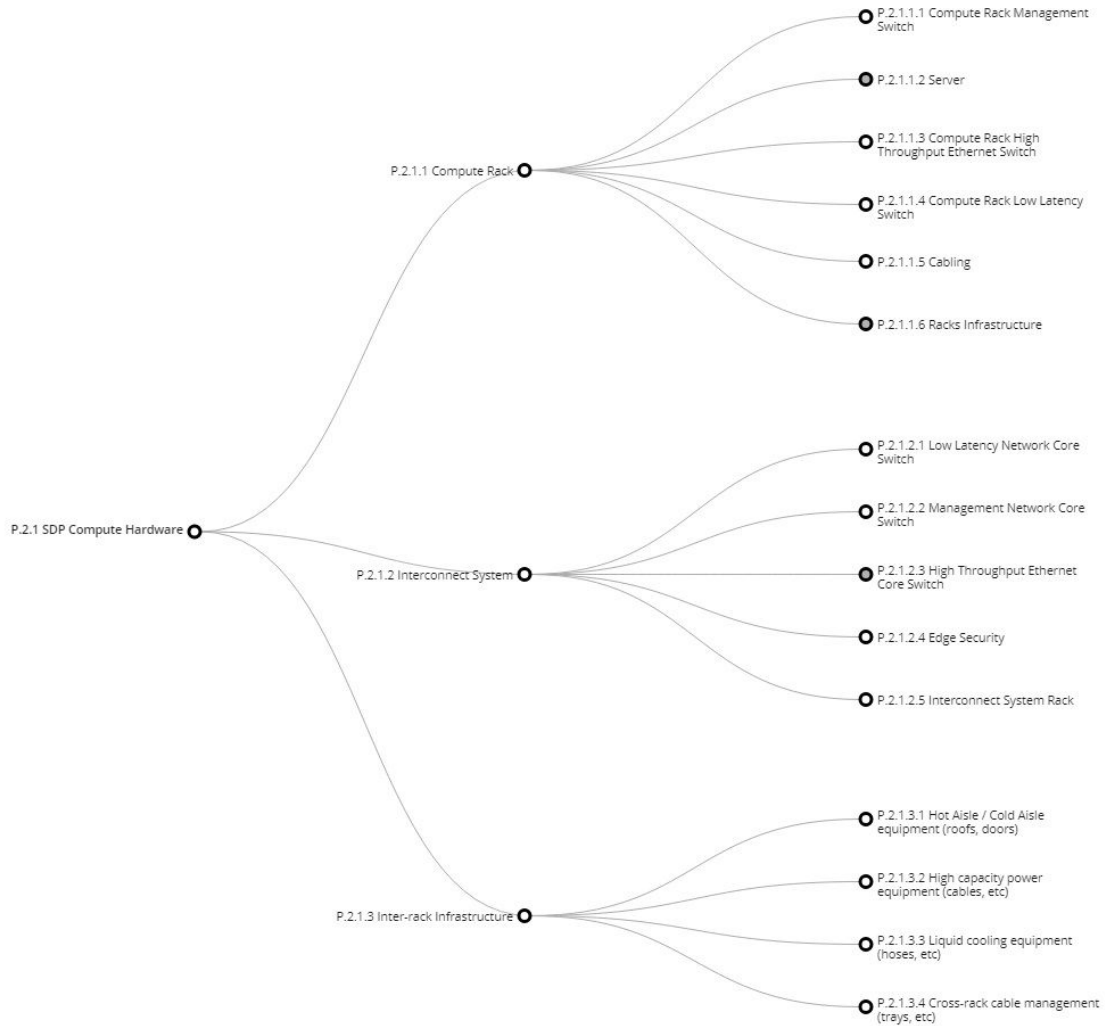
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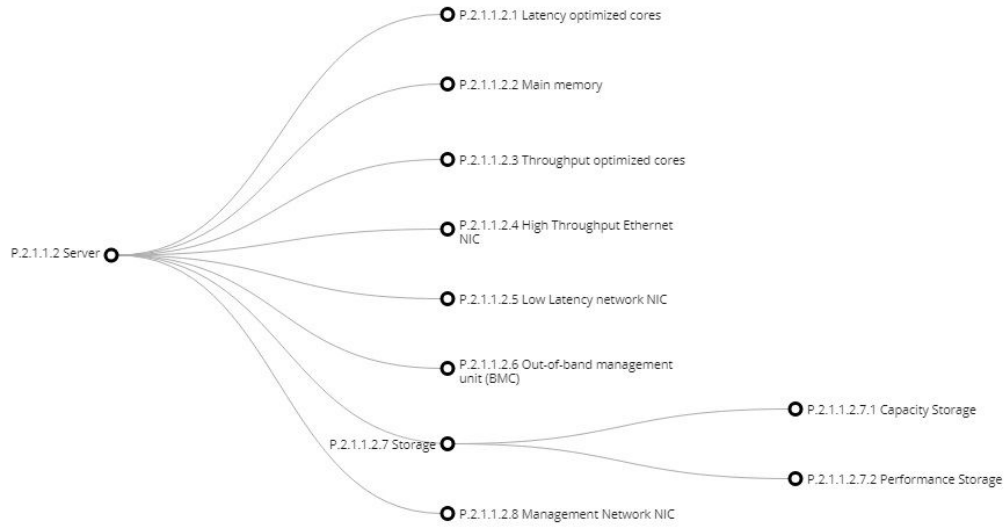
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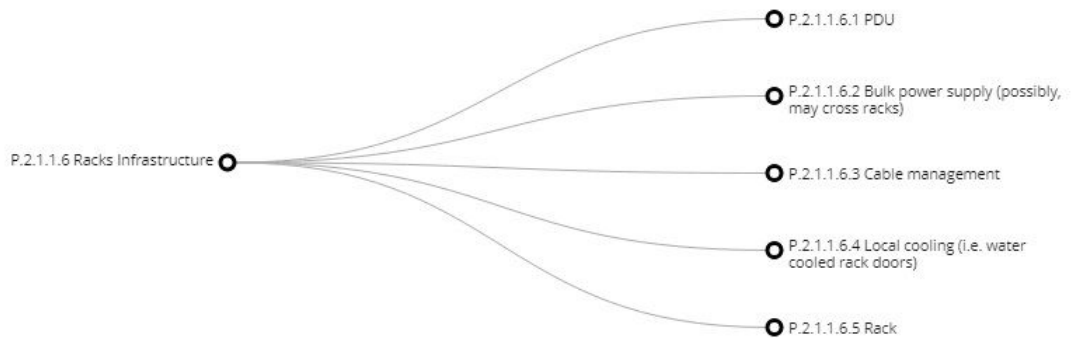
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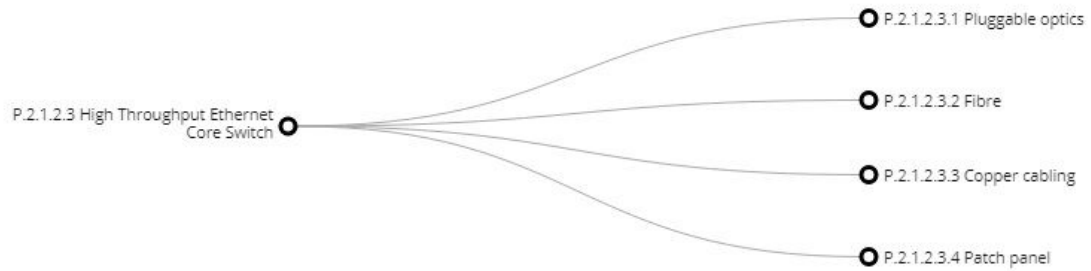
3.1.1.8.1 P.2.1.1.2 Server



3.1.1.8.2 P.2.1.1.6 Racks Infrastructure



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