

# Lantern Validation Rules and Descriptions

Rule Name	Description	Reference Location
capStatExist	Servers SHALL provide a Capability Statement that specifies which interactions and resources are supported.	<a href="#">3.1.0 RESTful API</a>
describeEndpointRule	A Capability Statement SHALL have at least one of description, software, or implementation element.	<a href="#">5.2.3.2 Constraints</a> (cpb-2)
documentValidRule	The set of documents must be unique by the combination of profile and mode.	<a href="#">5.2.3.2 Constraints</a> (cpb-7)
endpointFunctionRule	A Capability Statement SHALL have at least one of REST, messaging, or document element.	<a href="#">5.2.3.2 Constraints</a> (cpb-1)
instanceRule	If kind = instance, implementation must be present. This endpoint must be an instance.	<a href="#">5.2.3.2 Constraints</a> (cpb-14)
kindRule	Kind value should be set to 'instance' because this is a specific system instance.	<b>(Lantern-specific Business rule)</b>
messagingEndptRule	Messaging end-point is required (and is only permitted) when a statement is for an implementation. This endpoint must be an implementation.	<a href="#">5.2.3.2 Constraints</a> (cpb-3)
searchParamsRule	Search parameter names must be unique in the context of a resource.	<a href="#">5.2.3.2 Constraints</a> (cpb-12)
uniqueResourcesRule	A given resource can only be described once per RESTful mode.	<a href="#">5.2.3.2 Constraints</a> (cpb-9)
smartResponse	FHIR endpoints requiring authorization SHALL serve a JSON document at the location formed by appending /.well-known/smart-configuration to their base URL.	<a href="#">8.2 FHIR Authorization Endpoint and Capabilities Discovery using a Well-Known Uniform Resource Identifiers (URIs)</a>
versionResponseRule	The default FHIR version as specified by the \$versions operation should be returned from server when no version specified.	<a href="#">5.2.10.4 Operation \$versions on CapabilityStatement</a>
otherResourceExists	The US Core Server SHALL support at least one additional resource profile (besides Patient) from the list of US Core Profiles.	<a href="#">10.2.2.3 FHIR RESTful Capabilities</a> (#2)
patResourceExists	The US Core Server SHALL support the US Core Patient resource profile.	<a href="#">10.2.2.3 FHIR RESTful Capabilities</a> (#1)
tlsVersion	Systems SHALL use TLS version 1.2 or higher for all transmissions not taking place over a secure network connection.	<a href="#">7.1 Patient Privacy and Security</a>

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