### ST\_CryptProv (Cryptographic Provider Types)

This simple [type](type.docx) specifies the possible types of cryptographic providers which may be used.

[Example: Consider a WordprocessingML document with the following information stored in one of its protection elements:

<w:… w:cryptProviderType="rsaAES"
 w:hash="9oN7nWkCAyEZib1RomSJTjmPpCY=" />

The cryptProviderType attribute value of rsaAES specifies that the cryptographic provider [type](type.docx) shall be an Advanced Encryption Standard provider. end example

This simple type's contents are a restriction of the [XML](XML.docx) Schema string datatype.

The following are possible enumeration values for this type:

|  |  |
| --- | --- |
| Enumeration Value | Description |
| rsaAES (AES Provider) | Specifies that the provider shall support the Advanced Encryption Algorithm standard. |
| rsaFull (Any Provider) | Specifies that any suitable provider shall be used. |

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| Referenced By |
| documentProtection@cryptProviderType (§); writeProtection@cryptProviderType (§) |

The following [XML](XML.docx) Schema fragment defines the contents of this simple type:

<simpleType [name](name.docx)="ST\_CryptProv">

 <restriction base="xsd:string">

 <enumeration value="rsaAES"/>

 <enumeration value="rsaFull"/>

 </restriction>

</simpleType>