### ST\_AlgType (Cryptographic Algorithm Type)

This simple type specifies the possible values for the type of cryptographic algorithm used by protection. [Note: The initial version of this Office Open XML Standard only supports a single type - typeAny - but future versions may expand this as necessary. end note]

[Example: Consider a PresentationML document with the following information stored in its protection element:

<p:… p:cryptAlgorithmClass="hash"   
 p:cryptAlgorithmType="typeAny"   
 p:cryptAlgorithmSid="1"  
 p:hashData="9oN7nWkCAyEZib1RomSJTjmPpCY=" />

The cryptAlgorithmType attribute value of typeAny specifies that any type of algorithm may have been used for the password. end example]

This simple type's contents are a restriction of the XML Schema string datatype.

The following are possible enumeration values for this type:

|  |  |
| --- | --- |
| Enumeration Value | Description |
| invalid (Invalid Algorithm Type) | An invalid algorithm type is used. |
| typeAny (Any Algorithm Type) | Any algorithm type is used. |

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| Referenced By |
| modifyVerifier@cryptAlgorithmType (§) |

The following XML Schema fragment defines the contents of this simple type:

<simpleType name="ST\_AlgType">

<restriction base="xsd:string">

<enumeration value="typeAny"/>

<enumeration value="invalid"/>

</restriction>

</simpleType>