### ST\_AlgType (Cryptographic Algorithm Types)

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

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

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

The cryptAlgorithmType attribute value of typeAny specifies that any [type](type.docx) of algorithm may have been used for the password. 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 |
| typeAny (Any Type) | Specifies that any [type](type.docx) of cryptographic algorithm [type](type.docx) may be used. |

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

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

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

<restriction base="xsd:string">

<enumeration value="typeAny"/>

</restriction>

</simpleType>