#### ST\_ArrayBaseType (Array Base [Type](Type.docx) Simple Type)

The ST\_ArrayBaseType simple [type](type.docx) defines the allowed values for an array's baseType attribute as: [variant](variant.docx), [i1](i1.docx), [i2](i2.docx), [i4](i4.docx), [int](int.docx), [ui1](ui1.docx),[ui2](ui2.docx), [ui4](ui4.docx), [uint](uint.docx), [r4](r4.docx), [r8](r8.docx), [decimal](decimal.docx), [bstr](bstr.docx), date, [bool](bool.docx), [cy](cy.docx), and error.

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

The following are possible enumeration values for this type:

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| Enumeration Value | Description |
| [bool](bool.docx) (Boolean Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [bool](bool.docx). |
| [bstr](bstr.docx) (Basic String Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [bstr](bstr.docx). |
| [cy](cy.docx) (Curency Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [cy](cy.docx). |
| date (Date and Time Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be date. |
| [decimal](decimal.docx) (Decimal Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [decimal](decimal.docx). |
| [error](error.docx) (Error Status Code Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [error](error.docx). |
| [i1](i1.docx) (1-Byte Signed Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [i1](i1.docx). |
| [i2](i2.docx) (2-Byte Signed Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [i2](i2.docx). |
| [i4](i4.docx) (4-Byte Signed Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [i4](i4.docx). |
| [int](int.docx) (Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [int](int.docx). |
| [r4](r4.docx) (4-Byte Real Number Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [r4](r4.docx). |
| [r8](r8.docx) (8-Byte Real Number Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [r8](r8.docx). |
| [ui1](ui1.docx) (1-Byte Unsigned Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [ui1](ui1.docx). |
| [ui2](ui2.docx) (2-Byte Unsigned Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [ui2](ui2.docx). |
| [ui4](ui4.docx) (4-Byte Unsigned Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [ui4](ui4.docx). |
| [uint](uint.docx) (Unsigned Integer Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [uint](uint.docx). |
| [variant](variant.docx) (Variant Base Type) | Specifies that the [variant](variant.docx) [type](type.docx) for the contents of a [array](array.docx) shall be [variant](variant.docx). |

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| Referenced By |
| array@baseType (§) |

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

<simpleType name="ST\_ArrayBaseType">

<restriction base="xsd:string">

<enumeration value="[variant](variant.docx)"/>

<enumeration value="[i1](i1.docx)"/>

<enumeration value="[i2](i2.docx)"/>

<enumeration value="[i4](i4.docx)"/>

<enumeration value="[int](int.docx)"/>

<enumeration value="[ui1](ui1.docx)"/>

<enumeration value="[ui2](ui2.docx)"/>

<enumeration value="[ui4](ui4.docx)"/>

<enumeration value="[uint](uint.docx)"/>

<enumeration value="[r4](r4.docx)"/>

<enumeration value="[r8](r8.docx)"/>

<enumeration value="[decimal](decimal.docx)"/>

<enumeration value="[bstr](bstr.docx)"/>

<enumeration value="[date](date.docx)"/>

<enumeration value="[bool](bool.docx)"/>

<enumeration value="[cy](cy.docx)"/>

<enumeration value="[error](error.docx)"/>

</restriction>

</simpleType>