

 免費電子書

學習

xsd

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#xsd

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1: xsd

XML SchemaXML。

XMLXML。。

- XML。
- XML InfosetPSVIPost-Schema-Validation Infoset。

XML SchemaDTD。

| | |
|-----|------------|
| 1.0 | 2001-05-02 |
| 1.0 | 2004-10-28 |
| 1.1 | 2012-04-05 |

XML Schema 1.020015W3CW3C。

XML Schema 1.12012W3C。

Examples

XSDXML Schema DefinitionXML。 XSDXML。 XSD。

xsd <https://riptutorial.com/zh-TW/xsd/topic/2907/xsd>

2: XS

XML。 XML SchemaXSDxsschema。

| | |
|-----------------------|---|
| attributeFormDefault | XML |
| blockDefault | xscomplexType xsselement 。 / |
| defaultAttributes | XSD 1.1 xscomplexType xsxsattributeGroup 。 |
| elementFormDefault | XML。 “ ”。 |
| finalDefault | xscomplexType xsselement 。 / |
| ID | id |
| | 。 |
| | XSDSoap 1.2FpML 4.2 |
| xpathDefaultNamespace | XSD 1.1 xpathDefaultNamespace xsselector xsfield xsalternativexsassertXPath |
| | “ http://www.w3.org/2001/XMLSchema ”。 |
| XS | 。 |
| XS | targetNamespace targetNamespace chameleon 。 |
| XS | targetNamespace 。 |
| XS | targetNamespace targetNamespace xssimpleType xscomplexType xsgroup xsattributeGroup |
| XS | 。 |
| XS | 。 |
| XS | 。 |
| XSattributeGroup | 。 |
| XS | 。 |
| XS | XML。 |

| | |
|----------------------|---|
| XS | - |
| XSdefaultOpenContent | XSD 1.1 xscomplexType xs 。 |

Examples

xsschema

。

elementFormDefault' *qualified*'。

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 - (https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="Person">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Forename" type="xs:string" />
        <xs:element name="Surname" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

xsschema elementFormDefault

elementFormDefault*qualified*。

elementFormDefault*qualified*。

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 (https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="qualified"
  targetNamespace="http://base.com"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="MyBaseElement">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ChildA" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

XML

```
<?xml version="1.0" encoding="utf-8"?>
<!-- Created with Liquid Studio 2017 (https://www.liquid-technologies.com) -->
<b:MyBaseElement xmlns:b="http://base.com"
```

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://base.com ElementFormDefault_qualified.xsd">
  <b:ChildA>string</b:ChildA>
</b:MyBaseElement>
```

ChildA“b”。

elementFormDefaultunqualified。

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 (https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="unqualified"
  targetNamespace="http://base.com"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="MyBaseElement">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ChildA" type="xs:string" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

XML

```
<?xml version="1.0" encoding="utf-8"?>
<!-- Created with Liquid Studio 2017 (https://www.liquid-technologies.com) -->
<b:MyBaseElement xmlns:b="http://base.com"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://base.com ElementFormDefault_unqualified.xsd">
  <ChildA>string</ChildA>
</b:MyBaseElement>
```

MyBaseElement“b”ChildA。

XML。。

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 (https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="unqualified"
  targetNamespace="http://base.com"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="MyBaseElement">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ChildA" type="xs:string" />
        <xs:element xmlns:q1="http://base.com" ref="q1:MyElement" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="MyElement" type="xs:string" />
</xs:schema>
```

XML

```
<?xml version="1.0" encoding="utf-8"?>
<!-- Created with Liquid Studio 2017 (https://www.liquid-technologies.com) -->
<b:MyBaseElement xmlns:b="http://base.com"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://base.com ElementFormDefault_unqualified.xsd">
  <ChildA>string</ChildA>
  <b:MyElement>string</b:MyElement>
</b:MyBaseElement>
```

MyElement。

elementFormDefaultqualifiednamesapce xmlns =“...”。

elementFormDefault

[XS https://riptutorial.com/zh-TW/xsd/topic/9052/xs-](https://riptutorial.com/zh-TW/xsd/topic/9052/xs-)

3: XS

xscomplexTypeXML。 xscomplexType。

| | |
|------------------|--|
| | truexsitypeXML。 。 false - xscomplexType |
| | XMLxsschemas blockDefault'#all' 'extension'"list' "。 |
| | xsschemas finalDefault'#all' 'extension'"list "union' - xscomplexType |
| ID | id |
| | XMLfalse |
| | xscomplexType - xscomplexType |
| | “ http://www.w3.org/2001/XMLSchema ”。 |
| ----- | ----- |
| ----- | ----- |
| XS | 。 |
| XS | xscomplexTypexssimpleType。 |
| XS | xscomplexTypexscomplexType。 |
| XS | xsgroupxscomplexType |
| XS | xsallxscomplexType |
| XS | xschoicexscomplexType |
| XS | xssequencexscomplexType |
| XS | xsxscomplexType |
| XsAttributeGroup | xsattributeGroupxscomplexType |
| XsAnyAttribute | xsanyAttributexscomplexType |

xscomplexType

xscomplexTypexscomplexType 。

- extension - ◦
- - ◦

xssimpleType

xscomplexType xssimpleType ◦

xscomplexType ◦ xscomplexType xstypeSimpleType xstring ◦ xscomplexType xs
complexType ◦

Examples

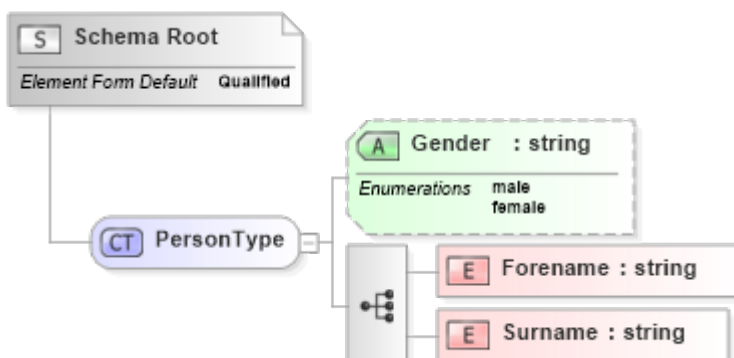
ComplexType

complexType ◦ xsschema ◦ ◦

xscomplexType xssequence xschoice xsall ◦

◦

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 (https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="PersonType">
    <xs:sequence>
      <xs:element name="Forename" type="xs:string" />
      <xs:element name="Surname" type="xs:string" />
    </xs:sequence>
    <xs:attribute name="Gender">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="male" />
          <xs:enumeration value="female" />
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:schema>
```



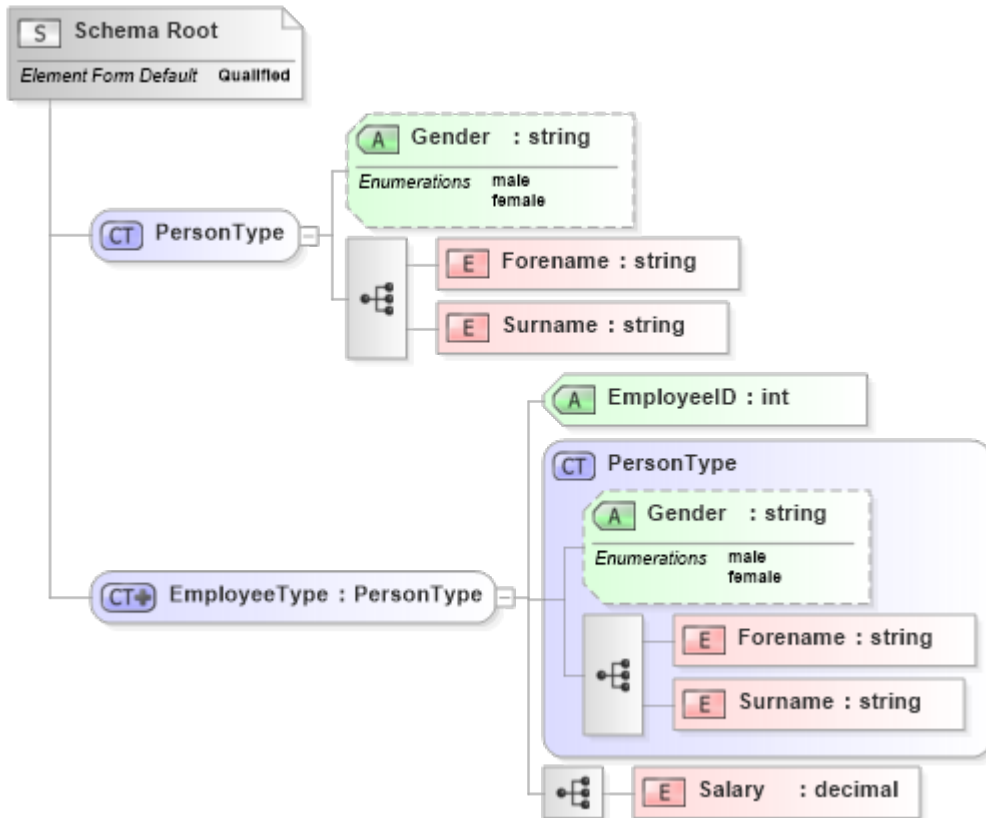
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xscomplexType xscomplexType

xscomplexTypePersonTypexscomplexTypeEmployeeType。

◦ xscomplexTypePersonType <xscomplexContent>。 PersonType<xsextension base="PersonType">。 xsextensioncompositorxsall / xschoice / xssequence。

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 (https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="qualified"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="PersonType">
    <xs:sequence>
      <xs:element name="Forename" type="xs:string" />
      <xs:element name="Surname" type="xs:string" />
    </xs:sequence>
    <xs:attribute name="Gender">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="male" />
          <xs:enumeration value="female" />
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
  <xs:complexType name="EmployeeType">
    <xs:complexContent>
      <xs:extension base="PersonType">
        <xs:sequence>
          <xs:element name="Salary" type="xs:decimal" />
        </xs:sequence>
        <xs:attribute name="EmployeeID" type="xs:int" use="required" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```



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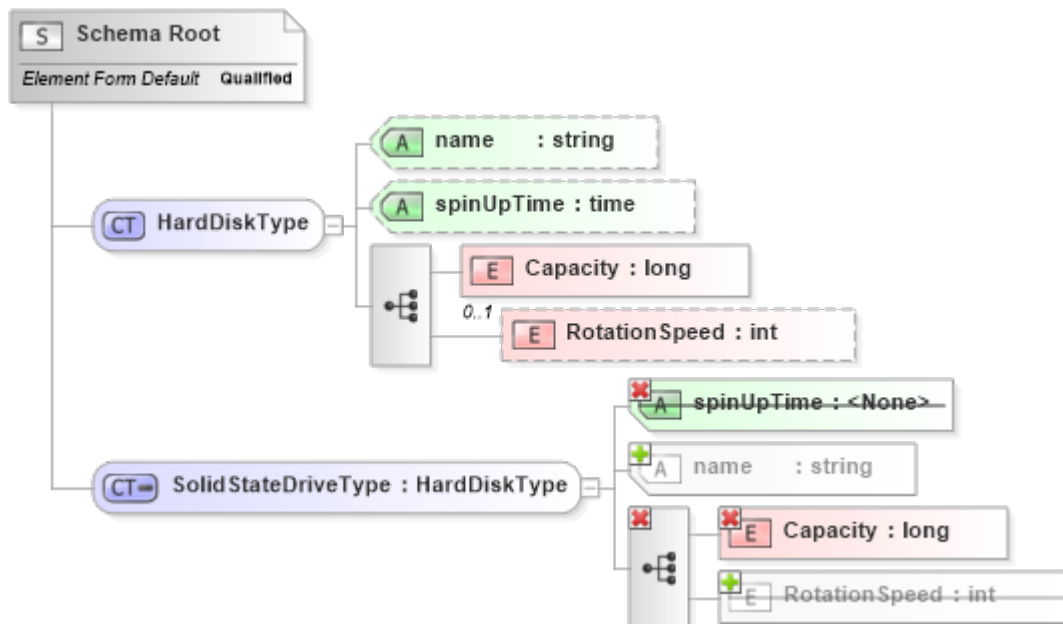
xscomplexTypexscomplexType

◦ xscomplexType ◦ SolidStateDriveTypeHardDiskTypespinUpTimeRotationSpeed◦

◦ ◦ ◦

XML "" ◦ //◦

```
<?xml version="1.0" encoding="utf-8" ?>
<!--Created with Liquid Studio 2017 - Developer Bundle Edition (Trial) 15.0.2.7192
(https://www.liquid-technologies.com)-->
<xs:schema elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="HardDiskType">
    <xs:sequence>
      <xs:element name="Capacity" type="xs:long" />
      <xs:element name="RotationSpeed" type="xs:int" minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="name" type="xs:string" />
    <xs:attribute name="spinUpTime" type="xs:time" />
  </xs:complexType>
  <xs:complexType name="SolidStateDrive">
    <xs:complexContent>
      <xs:restriction base="HardDiskType">
        <xs:sequence>
          <xs:element name="Capacity" type="xs:long" />
        </xs:sequence>
        <xs:attribute name="spinUpTime" use="prohibited" />
      </xs:restriction>
    </xs:complexContent>
  </xs:complexType>
</xs:schema>
```



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XS <https://riptutorial.com/zh-TW/xsd/topic/9047/xs->

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