

Create and Delete

Empty string

- **Default**

```
std::string str;
```

From a C++-String

- **Copy**

```
std::string str(oth);
```

- **Move**

```
std::string str(std::move(oth));
```

- **Range**

```
std::string str(oth.begin(), oth.end());
```

- **Substring**

```
std::string str(oth, otherIndex);
```

- **Substring**

```
std::string str(oth, otherIndex, len)
```

- **From a substring**

```
str.substring(3, 10);
```

Create and Delete

From a C-String

- **Direct** `std::string str("c-string");`
- **Sub C-String** `std::string str("c-array", len);`

From char

- **char** `std::string str(num, 'c');`
- **Initializer list** `std::string str({'a', 'b', 'c'});`
- **Destructor** `str.~string();`



Creation of a C++-string involves always a C-String.

C++14 support a C++ string literal: `std::string str = "string"s;`