Ruby Mapping for Built-In Types





On this page:

- Mapping of Slice Built-In Types to Ruby Types
- String Mapping in Ruby 1.8
- String Mapping in Ruby 1.9 and later

Mapping of Slice Built-In Types to Ruby Types

The Slice built-in types are mapped to Ruby types as shown in this table:

Slice	Ruby
bool	true Or false
byte	Fixnum
short	Fixnum
int	Fixnum or Bignum
long	Fixnum or Bignum
float	Float
double	Float
string	String

Although Ruby supports arbitrary precision in its integer types, the Ice run time validates integer values to ensure they have valid ranges for their declared Slice types.

Back to Top ^

String Mapping in Ruby 1.8

String values returned as the result of a Slice operation (including return values, out parameters, and data members) contain UTF-8 encoded strings unless the program has installed a string converter, in which case string values use the converter's native encoding instead.

As string input values for a remote Slice operation, Ice accepts nil in addition to String objects; each occurrence of nil is marshaled as an empty string. Ice assumes that all String objects contain valid UTF-8 encoded strings unless the program has installed a string converter, in which case Ice assumes that String objects use the native encoding expected by the converter.

Back to Top ^

String Mapping in Ruby 1.9 and later

String values returned as the result of a Slice operation (including return values, out parameters, and data members) contain UTF-8 encoded strings.

As string input values for a remote Slice operation, Ice accepts nil in addition to String objects; each occurrence of nil is marshaled as an empty string. Ice assumes that all String objects contain valid UTF-8 encoded strings.

The string converter facility is not used.

Back to Top ^

See Also

- Basic Types
- Ruby Mapping for Identifiers
- Ruby Mapping for Modules
- Ruby Mapping for Enumerations
- Ruby Mapping for StructuresRuby Mapping for Sequences

- Ruby Mapping for Dictionaries
 Ruby Mapping for Constants
 Ruby Mapping for Exceptions
 Ruby Mapping for Interfaces
 Ruby Mapping for Operations
 C++98 Strings and Character Encoding



