

Number



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Supported Clients

SmartClient WebClient NGClient MobileClient

Property Summary

Number	MAX_VALUE	The largest representable number.
Number	MIN_VALUE	The smallest representable number.
Number	NEGATIVE_INFINITY	Special value representing negative infinity; returned on overflow.
Object	NaN	Special "not a number" value.
Number	POSITIVE_INFINITY	Special value representing infinity; returned on overflow.

Methods Summary

String	toExponential()	Returns a string representing the number in exponential notation.
String	toExponential(fractionDigits)	Returns a string representing the number in exponential notation.
String	toFixed()	Returns a string representing the number in fixed-point notation.
String	toFixed(digits)	Returns a string representing the number in fixed-point notation.
String	toLocaleString()	Converts the number into a string which is suitable for presentation in the given locale.
String	toPrecision()	Returns a string representing the number to a specified precision in fixed-point or exponential notation.
String	toPrecision(precision)	Returns a string representing the number to a specified precision in fixed-point or exponential notation.
String	toString()	Returns a string representing the specified Number object.
String	toString(radix)	Returns a string representing the specified Number object.

Property Details

MAX_VALUE

The largest representable number.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
application.output("Largest number: " + Number.MAX_VALUE);
```

MIN_VALUE

The smallest representable number.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
application.output("Smallest number: " + Number.MIN_VALUE);
```

NEGATIVE_INFINITY

Special value representing negative infinity; returned on overflow.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

```
application.output("Negative infinity: " + Number.NEGATIVE_INFINITY);
```

NaN

Special "not a number" value.

Returns

[Object](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
application.output("NaN: " + Number.NaN);
```

POSITIVE_INFINITY

Special value representing infinity; returned on overflow.

Returns

[Number](#)

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
application.output("Positive infinity: " + Number.POSITIVE_INFINITY);
```

Methods Details

toExponential()

Returns a string representing the number in exponential notation.

Returns

[String](#) A string representing the number in exponential notation.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 123.45678;  
application.output(n.toExponential(3));
```

toExponential(fractionDigits)

Returns a string representing the number in exponential notation.

Parameters

[Number](#) fractionDigits An integer specifying the number of digits after the decimal point. Defaults to as many digits as necessary to specify the number.

Returns

[String](#) A string representing the number in exponential notation.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 123.45678;  
application.output(n.toExponential(3));
```

toFixed()

Returns a string representing the number in fixed-point notation.

Returns

[String](#) A string representing the number in fixed-point notation.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 123.45678;
application.output(n.toFixed(3));
```

toFixed(digits)

Returns a string representing the number in fixed-point notation.

Parameters

[Number](#) digits The number of digits to appear after the decimal point. Defaults to 0.

Returns

[String](#) A string representing the number in fixed-point notation.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 123.45678;
application.output(n.toFixed(3));
```

toLocaleString()

Converts the number into a string which is suitable for presentation in the given locale.

Returns

[String](#) A string representing the number in the current locale.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 1000000;
application.output(n.toLocaleString());
```

toPrecision()

Returns a string representing the number to a specified precision in fixed-point or exponential notation.

Returns

[String](#) A string representing the number to a specified precision in fixed-point or exponential notation.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 123.45678;
application.output(n.toPrecision(5));
```

toPrecision(precision)

Returns a string representing the number to a specified precision in fixed-point or exponential notation.

Parameters

[Number](#) precision An integer specifying the number of significant digits.

Returns

[String](#) A string representing the number to a specified precision in fixed-point or exponential notation.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 123.45678;  
application.output(n.toPrecision(5));
```

toString()

Returns a string representing the specified Number object.

Returns

[String](#) A string representing the specified Number object.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 7;  
application.output(n.toString()); //displays "7"  
application.output(n.toString(2)); //displays "111"
```

toString(radix)

Returns a string representing the specified Number object.

Parameters

[Number](#) radix An integer between 2 and 36 specifying the base to use for representing numeric values

Returns

[String](#) A string representing the specified Number object.

Supported Clients

SmartClient, WebClient, NGClient, MobileClient

Sample

```
var n = 7;  
application.output(n.toString()); //displays "7"  
application.output(n.toString(2)); //displays "111"
```