Subject: Esc: how to convert from string to number (or integer)?
Posted by fudadmin on Fri, 05 May 2006 11:27:10 GMT
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Esc: how to convert from string to number (or integer)?
Thanks.

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by mirek on Fri, 05 May 2006 11:33:26 GMT
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fudadmin wrote on Fri, 05 May 2006 07:27Esc: how to convert from string to number (or integer)?
Thanks.

Well, either write your library function (see Esc/EscStdLib.cpp) or write it in Esc...

(of course, now this depends what you are currently playing with. If with Esc within TheIDE, later is perhaps the only option...)

Mirek

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by fudadmin on Fri, 05 May 2006 11:49:00 GMT
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luzr wrote on Fri, 05 May 2006 12:33fudadmin wrote on Fri, 05 May 2006 07:27Esc: how to convert from string to number (or integer)?
Thanks.

Well, either write your library function (see Esc/EscStdLib.cpp) or write it in Esc...

(of course, now this depends what you are currently playing with. If with Esc within TheIDE, later is perhaps the only option...)

Mirek

I'm trying to write a very clever template... in *.upt,
where the amount of some functions and their names depend on a value entered into custom id field...

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by fudadmin on Fri, 05 May 2006 11:52:42 GMT
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If that not exists, then I'll try to write in EscStdLib... It might be more useful later?

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by mirek on Fri, 05 May 2006 12:37:39 GMT
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fudadmin wrote on Fri, 05 May 2006 07:52If that not exists, then I'll try to write in EscStdLib... It might be more useful later?

It might be. I think, as long as there is to_string, there likely should be some sort of atoi (or to_int)?

Go on, do it, post here, I will add it to EscStdLib. (actually, it will be about 5 lines

Mirek

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by fudadmin on Fri, 05 May 2006 16:16:12 GMT
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luzr wrote on Fri, 05 May 2006 13:37fudadmin wrote on Fri, 05 May 2006 07:52If that not exists, then I'll try to write in EscStdLib... It might be more useful later?

It might be. I think, as long as there is to_string, there likely should be some sort of atoi (or to_int)?

Go on, do it, post here, I will add it to EscStdLib. (actually, it will be about 5 lines

Mirek

```
//in EscStdLib.cpp
//aris +8lines
void ESC_to_number(EscEscape& e)
{
 if(e[0].IsArray()){
  String  s=e[0];
  double  d = ScanDouble(s);
  e = e[0].ToNumber(d);
 }
}
//...

void StdLib(ArrayMap<String, EscValue>& global)
{
 Escape(global, "is_number(value)", ESC_is_number);
 Escape(global, "is_array(value)", ESC_is_array);
```

```
 Escape(global, "is_map(value)", ESC_is_map);
 Escape(global, "is_void(value)", ESC_is_void);
 Escape(global, "int(value)", ESC_int);
 Escape(global, "to_string(value)", ESC_to_string);
//aris +1 line
 Escape(global, "to_number(value)", ESC_to_number);

//...
//in Esc.h
 double              GetNumber() const     { return IsNumber() ? number : 0; }
 bool               IsInt() const;
 int               GetInt() const;
//aris +1 line
 double             ToNumber(double n)   { Free(); number=n; type = ESC_NUMBER; return n;}
```

10lines=2*5lines ...

I was lazy to go into the details and haven't tested it extensively. But it works for me...
Is it correct from your point of view?

---

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by mirek on Fri, 05 May 2006 16:24:56 GMT
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fudadmin wrote on Fri, 05 May 2006 12:16luzr wrote on Fri, 05 May 2006 13:37fudadmin wrote on Fri, 05 May 2006 07:52If that not exists, then I'll try to write in EscStdLib... It might be more useful later?

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Mirek

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 Escape(global, "is_void(value)", ESC_is_void);
 Escape(global, "int(value)", ESC_int);
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//aris +1 line
 Escape(global, "to_number(value)", ESC_to_number);

//...
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 double              GetNumber() const     { return IsNumber() ? number : 0; }
 bool               IsInt() const;
 int               GetInt() const;
//aris +1 line
 double             ToNumber(double n)   { Free(); number=n; type = ESC_NUMBER; return n;}
```

10lines=2*5lines ...

I was lazy to go into the details and haven't tested it extensively. But it works for me...
Is it correct from your point of view?

Not quite optimal.... This is simpler and not adding weird methods to EscValue:

```
void ESC_to_number(EscEscape& e)
{
 if(e[0].IsArray())
  e = ScanDouble((String)e[0]);
}
```

(now in U++)

Mirek

---

Subject: Re: Esc: how to convert from string to number (or integer)?
Posted by fudadmin on Fri, 05 May 2006 16:39:47 GMT
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That's super! Many thanks! I was worrying about memory leaks...

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