Subject: Json Date/Time support
Posted by mirek on Sun, 06 Oct 2013 11:18:54 GMT

JSON standard does not directly support Date/Time, which causes troubles when using it. Anyway, I have found a neat trick

  http://weblogs.asp.net/bleroy/archive/2008/01/18/dates-and-j son.aspx

which seems quite reasonable, so I have added support for Date/Time in JSON in this manner.

Subject: Re: Json Date/Time support
Posted by unodgs on Sun, 06 Oct 2013 17:55:06 GMT

That's great to have it, but I had it already implemented in my private branch. But my solution checked if the json value can be converted to a date using IsDateString function:

```
bool IsDateString(const String& s)
{
 if(s.GetLength() != 10)
  return false;

 int cnt = 0;
 for(int i = 0; i < s.GetLength(); i++) {
  if(IsAlpha(s[i]) || IsSpace(s[i]))
   return false;
  if(!IsDigit(s[i]))
    ++cnt;
 }
 return cnt == 2;
}
```

and then in ParseJSON I changed if(p.IsString()) section to:

```
if(p.IsString())
{
 String s = p.ReadString();
 if(IsDateString(s)) {
  Date d = ScanDate(s);
  if(!IsNull(d))
   return d;
 }
 return s;
}
```

The good thing is it does accept most of the date formats that satisfy ScanDate function.

However relaying on unofficial standard might be better.

Subject: Re: Json Date/Time support
Posted by mirek on Sun, 06 Oct 2013 18:06:29 GMT

unodgs wrote on Sun, 06 October 2013 13:55That's great to have it, but I had it already implemented in my private branch. But my solution checked if the json value can be converted to a date using IsDateString function:

```
bool IsDateString(const String& s)
{
 if(s.GetLength() != 10)
  return false;

 int cnt = 0;
 for(int i = 0; i < s.GetLength(); i++) {
  if(IsAlpha(s[i]) || IsSpace(s[i]))
   return false;
  if(!IsDigit(s[i]))
    ++cnt;
 }
 return cnt == 2;
}
```

and then in ParseJSON I changed if(p.IsString()) section to:

```
if(p.IsString())
{
 String s = p.ReadString();
 if(IsDateString(s)) {
  Date d = ScanDate(s);
  if(!IsNull(d))
   return d;
 }
 return s;
}
```

The good thing is it does accept most of the date formats that satisfy ScanDate function. However relaying on unofficial standard might be better.

Well, what I do like about that hack is that it quite safely excludes false positives. "\/" escape code really does not make much sense....