

**Interpreter** (GPUDB-9)

 **[GPUDB-52] Zadefinovanie API** Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Highest
<b>Reporter:</b>	<a href="#">Martin Staňo</a>	<b>Assignee:</b>	<a href="#">Martin Staňo</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	1 day		
<b>Time Spent:</b>	Not Specified		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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**[GPUDB-23] [Networking](#)** Created: 03/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Highest
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Jakub Veselý</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	5 hours, 35 minutes	<b>Remaining Estimate:</b>	Not Specified
<b>Σ Time Spent:</b>	2 days, 6 hours	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	3 days, 4 hours, 5 minutes	<b>Original Estimate:</b>	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	<a href="#">GPUDB-53</a>	<a href="#">Zakladny event loop</a>	Sub-task	Done	Jakub Veselý
	<a href="#">GPUDB-54</a>	<a href="#">Workery pre thread-pool</a>	Sub-task	Done	Jakub Veselý
	<a href="#">GPUDB-55</a>	<a href="#">Klientska kniznica pre klienta</a>	Sub-task	Done	Jakub Veselý
	<a href="#">GPUDB-56</a>	<a href="#">JSON kniznica</a>	Sub-task	Done	Jakub Veselý
	<a href="#">GPUDB-62</a>	<a href="#">CSV import cez siet</a>	Sub-task	Done	Jakub Veselý

<b>Sprint:</b>	BB-8
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[GPUDB-9] [Interpreter](#) Created: 02/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Highest
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Martin Staňo</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	2 days, 5 hours	<b>Remaining Estimate:</b>	Not Specified
<b>Σ Time Spent:</b>	1 day, 3 hours	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	4 days	<b>Original Estimate:</b>	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	<a href="#">GPUDB-49</a>	<a href="#">Optimalizacia existujuceho interpretera</a>	Sub-task	Done	Martin Staňo
	<a href="#">GPUDB-50</a>	<a href="#">Podpora typov</a>	Sub-task	Done	Martin Staňo
	<a href="#">GPUDB-51</a>	<a href="#">Napojenie interpretera na DB</a>	Sub-task	Done	Martin Staňo
	<a href="#">GPUDB-52</a>	<a href="#">Zadefinovanie API</a>	Sub-task	Done	Martin Staňo
<b>Epic Link:</b>	<a href="#">Parser</a>				
<b>Sprint:</b>	BB-8				

#### Description

Prelozi sql dopyt (v internej reprezentacii) na sekvenciu operacii v DB

Jazyk nasich operacii som nazval IIL - Instarea intermediate language :)

## Functions for aggregations (GPU) (GPUDB-16)

 [GPUDB-74] [Refactorovat CUDA Wrapper](#) Created: 17/Oct/18 Updated: 30/Oct/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	High
<b>Reporter:</b>	<a href="#">Nikolas Hamran</a>	<b>Assignee:</b>	<a href="#">Nikolas Hamran</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	1 day, 30 minutes		
<b>Original Estimate:</b>	4 hours		

<b>Sprint:</b>	BB-8
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### Description

Zmenit signaturu funkcie vo wrapperi.

Namiesto `_i`, `_l`, `_f` bude len 1 funkcia s jedným, resp. dvoma argumentami navyše - `dataType`, resp. `dataTypeA`, `dataTypeB`. \* Na to treba vytvorit este `enum DataType` a prepisat filtre v `GPUExtension` projekte.

\*nemame doriesene filtre ani kernely kde stlpec A je int a stlpec B je long - doriesime mozno v dalsom sprinte, alebo ak zostane cas tak aj v tomto (asi nie :D). KAZDOPADNE signatura aj filtre na to mozu byt pripravene, len vo switchi pre nezhodne datove typy zatiaľ nebude volat kernel ale vrati error.

### Comments

Comment by [Andrej Fúsek](#) [ 30/Oct/18 ]

Reviewed and merged.

## Types polygon and geo-point (GPUDB-17)

 **[GPUDB-79] Prijimanie dat polygonu na GPU strane** Created: 17/Oct/18 Updated:  
03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Nikolas Hamran</a>	<b>Assignee:</b>	<a href="#">Nikolas Hamran</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	3 hours		
<b>Time Spent:</b>	2 hours		
<b>Original Estimate:</b>	5 hours		

<b>Sprint:</b>	BB-8
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### Description

Funkcia na prijimanie dat z RAM do GPU pamate (pole polygonov)

### Comments

Comment by [Andrej Fúsek](#) [ 03/Nov/18 ]

Review-nute s drobnymi upravami

**Types polygon and geo-point** (GPUDB-17)

 **[GPUDB-77] Ukladanie a loadovanie na disk polygonov a bodov** Created:

17/Oct/18 Updated: 04/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Dávid Kubík</a>	<b>Assignee:</b>	<a href="#">Dávid Kubík</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	3 hours, 40 minutes		
<b>Time Spent:</b>	4 hours, 20 minutes		
<b>Original Estimate:</b>	7 hours		

<b>Sprint:</b>	BB-8
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**Types polygon and geo-point** (GPUDB-17)

 **[GPUDB-76] Pridat podporu do DATA/CSV importera** Created: 17/Oct/18 Updated:  
01/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Jakub Veselý</a>	<b>Assignee:</b>	<a href="#">Jakub Veselý</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	4 hours		
<b>Time Spent:</b>	Not Specified		
<b>Original Estimate:</b>	4 hours		

<b>Sprint:</b>	BB-8
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**Types polygon and geo-point** (GPUDB-17)

 **[GPUDB-75] Zadefinovat strukturu polygonov spolu s obmedzenim na pocet vrcholov (IN-MEMORY / IN-GPU)** Created: 17/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Dávid Kubík</a>	<b>Assignee:</b>	<a href="#">Dávid Kubík</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	1 day, 35 minutes		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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## [REST API pre FE v C#](#) (GPUDB-69)

 **[GPUDB-73] Urobit zakladne end-pointy** Created: 17/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Petráš</a>	<b>Assignee:</b>	<a href="#">Martin Petráš</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	1 day		
<b>Original Estimate:</b>	6 hours		

<b>Sprint:</b>	BB-8
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### Description

DataFetch - aka DB, aka query. Urobit funkciu, ktora bude GET a bude vratat JSON s datami pre graf naformatovany tak ako potrebuje ta datova kniznica. Zavola z DB driveru ze DB select.

**REST API pre FE v C#** (GPUDB-69)

 **[GPUDB-72] Mocknut DB** Created: 17/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Petráš</a>	<b>Assignee:</b>	<a href="#">Martin Petráš</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	2 hours		
<b>Time Spent:</b>	6 hours		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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[REST API pre FE v C#](#) (GPUDB-69)

 [\[GPUDB-71\] Spravit dashboard](#) Created: 17/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Petráš</a>	<b>Assignee:</b>	<a href="#">Martin Petráš</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	1 day, 4 hours		
<b>Original Estimate:</b>	1 day, 4 hours		

<b>Sprint:</b>	BB-8
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[REST API pre FE v C#](#) (GPUDB-69)

 [\[GPUDB-70\] Integracia DB driveru](#) Created: 17/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Petráš</a>	<b>Assignee:</b>	<a href="#">Martin Petráš</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	30 minutes		
<b>Time Spent:</b>	1 hour, 30 minutes		
<b>Original Estimate:</b>	2 hours		

<b>Sprint:</b>	BB-8
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<b>Description</b>
import DLL



[GPUDB-69] [REST API pre FE v C#](#) Created: 17/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Martin Petráš</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	2 hours, 30 minutes	<b>Remaining Estimate:</b>	Not Specified
<b>Σ Time Spent:</b>	3 days, 3 hours, 30 minutes	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	3 days, 4 hours	<b>Original Estimate:</b>	Not Specified

<b>Sub-tasks:</b>	<b>Key</b>	<b>Summary</b>	<b>Type</b>	<b>Status</b>	<b>Assignee</b>
	<a href="#">GPUDB-70</a>	<a href="#">Integracia DB driveru</a>	Sub-task	Done	Martin Petráš
	<a href="#">GPUDB-71</a>	<a href="#">Spravit dashboard</a>	Sub-task	Done	Martin Petráš
	<a href="#">GPUDB-72</a>	<a href="#">Mocknut DB</a>	Sub-task	Done	Martin Petráš
	<a href="#">GPUDB-73</a>	<a href="#">Urobit zakladne end-pointy</a>	Sub-task	Done	Martin Petráš
<b>Epic Link:</b>	<a href="#">Frontend</a>				
<b>Sprint:</b>	BB-8				

## Functions for column operations (GPU) (GPUDB-15)

 [GPUDB-67] [Definovanie Wrappera](#) Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Andrej Fúsek</a>	<b>Assignee:</b>	<a href="#">Andrej Fúsek</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	6 hours, 30 minutes		
<b>Time Spent:</b>	1 hour, 30 minutes		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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### Description

Zaobaliť všetky aritmetické funkcie do C# wrappera (namespace CUdAWrapper)

## Functions for column operations (GPU) (GPUDB-15)

 [GPUDB-66] [Aritmetické operácie medzi 2 stĺpcami](#) Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Andrej Fúsek</a>	<b>Assignee:</b>	<a href="#">Nikolas Hamran</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	1 day, 7 hours, 30 minutes		
<b>Time Spent:</b>	1 day, 2 hours, 30 minutes		
<b>Original Estimate:</b>	3 days, 2 hours		

<b>Sprint:</b>	BB-8
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### Description

Operácie sa budú vykonávať s dvoma hodnotami zo stĺpca. Operácie:

- plus
- minus
- krat
- deleno
- celociselné delenie
- modulo

## Functions for column operations (GPU) (GPUDB-15)

 **[GPUDB-65] Aritmetické operácie s konštantami** Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Andrej Fúsek</a>	<b>Assignee:</b>	<a href="#">Andrej Fúsek</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	1 day, 5 hours, 30 minutes		
<b>Time Spent:</b>	1 day, 2 hours, 30 minutes		
<b>Original Estimate:</b>	3 days		

<b>Sprint:</b>	BB-8
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### Description

Operácie sa budú vykonávať s hodnotou zo stĺpca a konštantou. Operácie:

- plus
- minus
- krat
- deleno
- celociselné delenie
- modulo



**Functions for aggregations (GPU)** (GPUDB-16)

 **[GPUDB-64] Definovanie Wrappera** Created: 10/Oct/18 Updated: 01/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Nikolas Hamran</a>	<b>Assignee:</b>	<a href="#">Nikolas Hamran</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	6 hours		
<b>Time Spent:</b>	2 hours		
<b>Original Estimate:</b>	4 hours		

<b>Sprint:</b>	BB-8
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**Functions for aggregations (GPU)** (GPUDB-16)

 **[GPUDB-63] Min, Max, Count, Sum, Average** Created: 10/Oct/18 Updated: 01/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Nikolas Hamran</a>	<b>Assignee:</b>	<a href="#">Nikolas Hamran</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	4 hours, 55 minutes		
<b>Time Spent:</b>	1 day, 3 hours, 5 minutes		
<b>Original Estimate:</b>	2 days		

<b>Sprint:</b>	BB-8
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**Networking** (GPUDB-23)

 **[GPUDB-62] [CSV import cez siet](#)** Created: 10/Oct/18 Updated: 04/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Jakub Veselý</a>	<b>Assignee:</b>	<a href="#">Jakub Veselý</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	3 hours, 30 minutes		
<b>Time Spent:</b>	2 hours, 30 minutes		
<b>Original Estimate:</b>	6 hours		

<b>Sprint:</b>	BB-8
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**Client console** (GPUDB-7) **[GPUDB-61] Nacítavanie CSV** Created: 10/Oct/18 Updated: 30/Oct/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Veronika Včelková</a>	<b>Assignee:</b>	<a href="#">Veronika Včelková</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	3 hours, 30 minutes		
<b>Time Spent:</b>	4 hours, 30 minutes		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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**Description**

Načítavanie CSV súboru cez konzolu

**Client console** (GPUDB-7) **[GPUDB-60] [Zakladne vypisane vysledkov](#)** Created: 10/Oct/18 Updated: 02/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Veronika Včelková</a>	<b>Assignee:</b>	<a href="#">Veronika Včelková</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	30 minutes		
<b>Time Spent:</b>	7 hours, 30 minutes		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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**Description**

Vypise do konzoly nahlad tabulky (povedzme top 1000 riadkov).

Bude sa dat pouzit aj na vypis dopytov, cas trvania, celkovy pocet riadkov

[Client console](#) (GPUDB-7)


 [\[GPUDB-59\] Pretty error handling](#) Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Veronika Včelková</a>	<b>Assignee:</b>	<a href="#">Veronika Včelková</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	4 hours		
<b>Time Spent:</b>	Not Specified		
<b>Original Estimate:</b>	4 hours		

<b>Sprint:</b>	BB-8
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[Client console](#) (GPUDB-7)

 **[GPUDB-58] Integracia kniznice na networking a aby robilo volania na server** Created: 10/Oct/18 Updated: 30/Oct/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Alexandra Smolova</a>	<b>Assignee:</b>	<a href="#">Alexandra Smolova</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	Not Specified		
<b>Time Spent:</b>	Not Specified		
<b>Original Estimate:</b>	Not Specified		

<b>Sprint:</b>	BB-8
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[Client console](#) (GPUDB-7)

 [\[GPUDB-57\] Nacitat prikazy z konzoly](#) Created: 10/Oct/18 Updated: 31/Oct/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Alexandra Smolova</a>	<b>Assignee:</b>	<a href="#">Alexandra Smolova</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	3 hours		
<b>Original Estimate:</b>	3 hours		

<b>Sprint:</b>	BB-8
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**Description**

import csv, run query, help command, exit



**Networking** (GPUDB-23)

 **[GPUDB-56] JSON kniznica** Created: 10/Oct/18 Updated: 17/Oct/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Jakub Veselý</a>	<b>Assignee:</b>	<a href="#">Jakub Veselý</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	5 minutes		
<b>Original Estimate:</b>	5 minutes		

<b>Sprint:</b>	BB-8
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**Networking** (GPUDB-23)

 **[GPUDB-55] Klientska kniznica pre klienta** Created: 10/Oct/18 Updated: 04/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Jakub Veselý</a>	<b>Assignee:</b>	<a href="#">Jakub Veselý</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	0 minutes		
<b>Time Spent:</b>	5 hours, 30 minutes		
<b>Original Estimate:</b>	6 hours		

<b>Sprint:</b>	BB-8
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**Networking** (GPUDB-23)

 **[GPUDB-54] Workery pre thread-pool** Created: 10/Oct/18 Updated: 04/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Jakub Veselý</a>	<b>Assignee:</b>	<a href="#">Jakub Veselý</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	1 hour, 15 minutes		
<b>Time Spent:</b>	6 hours, 45 minutes		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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## Networking (GPUDB-23)

 **[GPUDB-53] Zakladny event loop** Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Jakub Vesely</a>	<b>Assignee:</b>	<a href="#">Jakub Vesely</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	50 minutes		
<b>Time Spent:</b>	7 hours, 10 minutes		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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### Description

Event loop, vratane nactavania databazy z peristent storagu do pamate a ulozenie po dokonceni, pridanie podpory na vybratie databazy.

**Interpreter** (GPUDB-9) **[GPUDB-51] [Napojenie interpretera na DB](#)** Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Staňo</a>	<b>Assignee:</b>	<a href="#">Martin Staňo</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	2 hours		
<b>Time Spent:</b>	6 hours		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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**Interpreter** (GPUDB-9)

 **[GPUDB-50] Podpora typov** Created: 10/Oct/18 Updated: 03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Staňo</a>	<b>Assignee:</b>	<a href="#">Martin Staňo</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	1 day		
<b>Time Spent:</b>	Not Specified		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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**Interpreter** (GPUDB-9)

 **[GPUDB-49] Optimalizacia existujuceho interpretera** Created: 10/Oct/18 Updated:  
03/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Sub-task	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Martin Staňo</a>	<b>Assignee:</b>	<a href="#">Martin Staňo</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Remaining Estimate:</b>	3 hours		
<b>Time Spent:</b>	5 hours		
<b>Original Estimate:</b>	1 day		

<b>Sprint:</b>	BB-8
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**Description**

Idealne free

**[GPUDB-17] [Types polygon and geo-point](#)** Created: 02/Oct/18 Updated: 04/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Dávid Kubík</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	1 day, 2 hours, 40 minutes	<b>Remaining Estimate:</b>	Not Specified
<b>Σ Time Spent:</b>	1 day, 6 hours, 55 minutes	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	3 days	<b>Original Estimate:</b>	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	<a href="#">GPUDB-75</a>	<a href="#">Zadefinovat strukturu polygonov spolu...</a>	Sub-task	Done	Dávid Kubík
	<a href="#">GPUDB-76</a>	<a href="#">Pridat podporu do DATA/CSV importera</a>	Sub-task	Done	Jakub Veselý
	<a href="#">GPUDB-77</a>	<a href="#">Ukladanie a loadovanie na disk polygo...</a>	Sub-task	Done	Dávid Kubík
	<a href="#">GPUDB-79</a>	<a href="#">Prijimanie dat polygonu na GPU strane</a>	Sub-task	Done	Nikolas Hamran
<b>Sprint:</b>	BB-8				

**Description**

Moznost importovat WKT (well-known text geo format) stlpec, ktory sa reprezentuje v pamati

Pribudne typ geopolygon a geopoint

Ako to bude vyzerat:

Mozem si vytvorit tabulku, ktora bude mat stlpec polygon alebo text.

Ak budem chciet naimportovat wkt polygon do stlpca text, tak sa tam len nasype vo forme



textu.

Ak budem chciat importnut wkt do polygonu, tak vtedy prebehne konverzia.

**[GPUDB-16] [Functions for aggregations \(GPU\)](#)** Created: 02/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Nikolas Hamran</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	1 day, 2 hours, 55 minutes	<b>Remaining Estimate:</b>	Not Specified
<b>Σ Time Spent:</b>	2 days, 5 hours, 35 minutes	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	3 days	<b>Original Estimate:</b>	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	<a href="#">GPUDB-63</a>	<a href="#">Min, Max, Count, Sum, Average</a>	Sub-task	Done	Nikolas Hamran
	<a href="#">GPUDB-64</a>	<a href="#">Definovanie Wrappera</a>	Sub-task	Done	Nikolas Hamran
	<a href="#">GPUDB-74</a>	<a href="#">Refactorovat CUDA Wrapper</a>	Sub-task	Done	Nikolas Hamran

<b>Epic Link:</b>	<a href="#">GPU</a>
<b>Sprint:</b>	BB-8

**[GPUDB-15] [Functions for column operations \(GPU\)](#)** Created: 02/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Andrej Fúsek</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	4 days, 3 hours, 30 minutes	<b>Remaining Estimate:</b>	0 minutes
<b>Σ Time Spent:</b>	2 days, 6 hours, 30 minutes	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	1 week, 2 days, 2 hours	<b>Original Estimate:</b>	0 minutes

<b>Sub-tasks:</b>	<b>Key</b>	<b>Summary</b>	<b>Type</b>	<b>Status</b>	<b>Assignee</b>
	<a href="#">GPUDB-65</a>	<a href="#">Aritmetické operácie s konštantami</a>	Sub-task	Done	Andrej Fúsek
	<a href="#">GPUDB-66</a>	<a href="#">Aritmetické operácie medzi 2 stĺpcami</a>	Sub-task	Done	Nikolas Hamran
	<a href="#">GPUDB-67</a>	<a href="#">Definovanie Wrappera</a>	Sub-task	Done	Andrej Fúsek
<b>Epic Link:</b>	<a href="#">GPU</a>				
<b>Sprint:</b>	BB-8				

**[GPUDB-7] [Client console](#)** Created: 02/Oct/18 Updated: 07/Nov/18

<b>Status:</b>	Done
<b>Project:</b>	<a href="#">GPU-DB</a>
<b>Component/s:</b>	None
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Medium
<b>Reporter:</b>	<a href="#">Peter Kratky</a>	<b>Assignee:</b>	<a href="#">Veronika Včelková</a>
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	None		
<b>Σ Remaining Estimate:</b>	1 day	<b>Remaining Estimate:</b>	Not Specified
<b>Σ Time Spent:</b>	1 day, 7 hours	<b>Time Spent:</b>	Not Specified
<b>Σ Original Estimate:</b>	2 days, 7 hours	<b>Original Estimate:</b>	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	<a href="#">GPUDB-57</a>	<a href="#">Nacitat prikazy z konzoly</a>	Sub-task	Done	Alexandra Smolova
	<a href="#">GPUDB-58</a>	<a href="#">Integracia kniznice na networking a a...</a>	Sub-task	Done	Alexandra Smolova
	<a href="#">GPUDB-59</a>	<a href="#">Pretty error handling</a>	Sub-task	Done	Veronika Včelková
	<a href="#">GPUDB-60</a>	<a href="#">Zakladne vypisane vysledkov</a>	Sub-task	Done	Veronika Včelková
	<a href="#">GPUDB-61</a>	<a href="#">Nacitavanie CSV</a>	Sub-task	Done	Veronika Včelková
<b>Sprint:</b>	BB-8				

**Description**

Klientsky program, ktory umozni pripojenie na DB server a zadavanie dopytov.

Riesi len komunikaciu, nie parsovanie, to je ina story

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