

[GPUDB-125] [Optimalization and refactor of CUDA \(interface, ...\)](#) Created: 19/Nov/18 Updated: 23/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	High
Reporter:	Peter Kratky	Assignee:	Nikolas Hamran
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	1 day, 4 hours	Remaining Estimate:	1 day, 4 hours
Σ Time Spent:	Not Specified	Time Spent:	Not Specified
Σ Original Estimate:	1 day, 4 hours	Original Estimate:	1 day, 4 hours

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-134	Zistit, ci je na stroji CUDA a ak nie...	Sub-task	To Do	
	GPUDB-149	Abstrahovat vyber zariadenia - nech p...	Sub-task	To Do	
Sprint:	Darth Vader				

Comments

Comment by [Peter Kratky](#) [21/Nov/18]

napad: mozno sa budu dat niektore casti paralelizovat (MPI, thready...)

Performance tester (GPUDB-129)

 **[GPUDB-154] Serializacia DataPersistence Polygonov, Pointov** Created:

26/Nov/18 Updated: 27/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Dávid Kubík	Assignee:	Dávid Kubík
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	0 minutes		
Time Spent:	20 minutes		
Original Estimate:	20 minutes		

Sprint:	Darth Vader
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Vytvorit databazu prostrednictvom konzoly (GPUDB-114)

 **[GPUDB-153] Pridat' create db do parsera** Created: 26/Nov/18 Updated: 28/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Alexandra Smolova	Assignee:	Alexandra Smolova
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	6 hours		
Time Spent:	Not Specified		
Original Estimate:	6 hours		

Sprint:	Darth Vader
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[GPUDB-152] [Error after import of CSV with POINT\(long lat\)](#) Created:

26/Nov/18 Updated: 28/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Jakub Veselý
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	 TargetLoc.csv
Sprint:	Darth Vader

Description

[TargetLoc.csv](#)

Po importe ked zadam query

```
query SELECT targetId,point FROM TargetLoc WHERE targetId < 10
Query Exception: The given key 'TargetLoc.point' was not present in the dictionary.
```

Ale v suboroch je testPoint_TargetLoc_point.col

Performance tester (GPUDB-129)

 **[GPUDB-151] Spravit tester** Created: 26/Nov/18 Updated: 27/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Dávid Kubík	Assignee:	Veronika Včelková
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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Performance tester (GPUDB-129) **[GPUDB-150] [Spravit prezentaciu do Instarea](#)** Created: 26/Nov/18 Updated: 27/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Dávid Kubík	Assignee:	Dávid Kubík
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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Description

Porovnat nasu DB s Microsoft DB
Spravit prehlad od zadania prikazu na konzole az po samotne vykonanie na GPU

Comments

Comment by [Peter Kratky](#) [26/Nov/18]

S tym porovnanim som uz zacal aj ja, mozme v stredu dohodnut ako dalej. Robil som so 100mil riadkami z toho generatora, co som posielal do slacku. Skusim to dat do ms sql a dam vam nejake cisla.

Optimization and refactor of CUDA (interface, ...) (GPUDB-125)

 **[GPUDB-149] Abstrahovat vyber zariadenia - nech parser nerozlisuje medzi GPU/CPU** Created: 23/Nov/18 Updated: 23/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Nikolas Hamran	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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Networking refactor (GPUDB-127)

 **[GPUDB-148] Switch to Google protocol buffers** Created: 22/Nov/18 Updated: 26/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Jakub Veselý	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	1 day		
Time Spent:	1 day		
Original Estimate:	2 days		

Sprint:	Darth Vader
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[Networking refactor](#) (GPUDB-127)


 [GPUDB-147] [Stream query results - client support](#) Created: 21/Nov/18 Updated: 26/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Jakub Veselý	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	2 hours, 35 minutes		
Time Spent:	25 minutes		
Original Estimate:	3 hours		

Sprint:	Darth Vader
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[Networking refactor](#) (GPUDB-127)

 [\[GPUDB-146\] Stream query results - server support](#) Created: 21/Nov/18 Updated: 26/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Jakub Veselý	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	4 hours, 40 minutes		
Time Spent:	1 hour, 20 minutes		
Original Estimate:	6 hours		

Sprint:	Darth Vader
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Import of very big CSV (GPUDB-123)

 **[GPUDB-145] Modify client to fragment CSV** Created: 21/Nov/18 Updated: 21/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Jakub Veselý	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	1 hour		
Time Spent:	1 hour		
Original Estimate:	2 hours		

Sprint:	Darth Vader
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[Retrieving databases, tables, columns](#) (GPUDB-128)

 [GPUDB-141] [Retrieving columns](#) Created: 21/Nov/18 Updated: 26/Nov/18

Status:	Ready for Review
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Veronika Včelková	Assignee:	Martin Staňo
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	0 minutes		
Time Spent:	3 hours		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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[Retrieving databases, tables, columns](#) (GPUDB-128)

 [GPUDB-140] [Retrieving tables](#) Created: 21/Nov/18 Updated: 26/Nov/18

Status:	Ready for Review
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Nikolas Hamran	Assignee:	Martin Staňo
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	0 minutes		
Time Spent:	2 hours		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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[Retrieving databases, tables, columns](#) (GPUDB-128)

 [GPUDB-139] [Retrieving db](#) Created: 21/Nov/18 Updated: 26/Nov/18

Status:	Ready for Review
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Veronika Včelková	Assignee:	Martin Staňo
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	0 minutes		
Time Spent:	2 hours		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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FE upgrade (GPUDB-135) **[GPUDB-138] Persistovanie dashboard layoutu** Created: 21/Nov/18 Updated: 22/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Martin Petráš
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	1 day		
Time Spent:	Not Specified		
Original Estimate:	1 day		

Sprint:	Darth Vader
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Description

Typ a umiestnenie grafu a query

FE upgrade (GPUDB-135) **[GPUDB-137] Dynamicky dashboard** Created: 21/Nov/18 Updated: 26/Nov/18

Status:	Open
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Martin Petráš
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	1 day, 4 hours		
Time Spent:	4 hours		
Original Estimate:	2 days		

Sprint:	Darth Vader
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Description

Presuvat grafy medzi sebou

FE upgrade (GPUDB-135) **[GPUDB-136] Prepojenie FE s DropDBase DB (nepoužívať Mock)** Created:

21/Nov/18 Updated: 27/Nov/18

Status:	Open
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Martin Petráš
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	4 hours		
Time Spent:	Not Specified		
Original Estimate:	4 hours		

Sprint:	Darth Vader
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[GPUDB-135] [FE upgrade](#) Created: 21/Nov/18 Updated: 26/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Martin Petráš
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	3 days	Remaining Estimate:	0 minutes
Σ Time Spent:	4 hours	Time Spent:	Not Specified
Σ Original Estimate:	3 days, 4 hours	Original Estimate:	0 minutes

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-136	Prepojenie FE s DropDBase DB (nepouží...	Sub-task	Open	Martin Petráš
	GPUDB-137	Dynamicky dashboard	Sub-task	Open	Martin Petráš
	GPUDB-138	Persistovanie dashboard layoutu	Sub-task	To Do	Martin Petráš
Epic Link:	Frontend				
Sprint:	Darth Vader				

Optimalization and refactor of CUDA (interface, ...) (GPUDB-125)

 **[GPUDB-134] Zistit, ci je na stroji CUDA a ak nie, tak padne program** Created: 21/Nov/18 Updated: 21/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Nikolas Hamran	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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Vytvorit databazu prostrednictvom konzoly (GPUDB-114)

[GPUDB-133] Do config-u dat defaultnu hodnotu na velkost bloku 2^18

Created: 21/Nov/18 Updated: 28/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Nikolas Hamran	Assignee:	Alexandra Smolova
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	30 minutes		
Time Spent:	Not Specified		
Original Estimate:	30 minutes		

Sprint:	Darth Vader
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Optimization and refactoring of parser (GPUDB-126)

 **[GPUDB-132] Pri inserte mensieho poctu stlpcov z CSV, doplnit NULL do ostatnych stlpcov** Created: 21/Nov/18 Updated: 21/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Nikolas Hamran	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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Optimalization and refactoring of parser (GPUDB-126)

 **[GPUDB-131] Nech klucove slova v query su case insensitive** Created:

21/Nov/18 Updated: 26/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Sub-task	Priority:	Medium
Reporter:	Nikolas Hamran	Assignee:	Martin Staňo
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	0 minutes		
Time Spent:	6 hours		
Original Estimate:	Not Specified		

Sprint:	Darth Vader
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[GPUDB-129] [Performance tester](#) Created: 20/Nov/18 Updated: 26/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Dávid Kubík
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	2 days	Remaining Estimate:	2 days
Σ Time Spent:	20 minutes	Time Spent:	Not Specified
Σ Original Estimate:	2 days, 20 minutes	Original Estimate:	2 days

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-150	Spravit prezentaciu do Instarea	Sub-task	To Do	Dávid Kubík
	GPUDB-151	Spravit tester	Sub-task	To Do	Veronika Včelková
	GPUDB-154	Serializacia DataPersistence Polygono...	Sub-task	Reviewed	Dávid Kubík

Sprint: Darth Vader

Description

Chcelo by to nejaky tester co importne DB pri roznych nastaveniach BLOCK_SIZE (zvacsovat po mocninach dvojky od $(1 \ll 18)$ po $(1 \ll 30)$ inkluzivne a odmeria cas query s kratkym a dlhym resultsetom, lebo to bude asi dost od tohto zavisiet

pri malej tabulke a velkom block size sa to pokazi????

Vygenerovanie rovnakej DB s roznyimi BLOCK_SIZE

Vytvorit z toho separatne .exe

[GPUDB-128] [Retrieving databases, tables, columns](#) Created: 20/Nov/18 Updated: 26/Nov/18

Status:	Ready for Review
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Martin Staňo
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	0 minutes	Remaining Estimate:	Not Specified
Σ Time Spent:	7 hours	Time Spent:	Not Specified
Σ Original Estimate:	Not Specified	Original Estimate:	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-139	Retrieving db	Sub-task	Ready for Review	Martin Staňo
	GPUDB-140	Retrieving tables	Sub-task	Ready for Review	Martin Staňo
	GPUDB-141	Retrieving columns	Sub-task	Ready for Review	Martin Staňo

Sprint: Darth Vader

Description

Aby bolo mozne lahsie sa orientovat, tak by boli dobre funkcie pre vylistovanie databaz, tabuliek v databaze a stlpcov v tabulke.

Asi bude potrebne pre nejake dalsie frontendove veci (filter)

Comments

Comment by [Peter Kratky](#) [22/Nov/18]

bolo by celkom fajn aj keby to vypisalo velkost bloku databazy

[GPUDB-127] Networking refactor Created: 19/Nov/18 Updated: 26/Nov/18	
Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Jakub Veselý
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	1 day, 7 hours, 15 minutes	Remaining Estimate:	Not Specified
Σ Time Spent:	1 day, 1 hour, 45 minutes	Time Spent:	Not Specified
Σ Original Estimate:	3 days, 1 hour	Original Estimate:	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-146	Stream query results - server support	Sub-task	Reviewed	
	GPUDB-147	Stream query results - client support	Sub-task	Reviewed	
	GPUDB-148	Switch to Google protocol buffers	Sub-task	Reviewed	
Sprint:	Darth Vader				

[GPUDB-126] [Optimalization and refactoring of parser](#) Created: 19/Nov/18 Updated: 26/Nov/18

Status:	Open
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Martin Staňo
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	0 minutes	Remaining Estimate:	Not Specified
Σ Time Spent:	6 hours	Time Spent:	Not Specified
Σ Original Estimate:	Not Specified	Original Estimate:	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-131	Nech klucove slova v query su case in...	Sub-task	Reviewed	Martin Staňo
GPUDB-132	Pri inserte mensieho poctu stlpcov z ...	Sub-task	To Do		

Sprint: Darth Vader

[GPUDB-123] [Import of very big CSV](#) Created: 19/Nov/18 Updated: 21/Nov/18

Status:	Reviewed
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Medium
Reporter:	Peter Kratky	Assignee:	Jakub Veselý
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	1 hour	Remaining Estimate:	Not Specified
Σ Time Spent:	1 hour	Time Spent:	Not Specified
Σ Original Estimate:	2 hours	Original Estimate:	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-145	Modify client to fragment CSV	Sub-task	Reviewed	
Sprint:	Darth Vader				

Description

Insufficient memory to continue the execution of the program.

mozno skusit v app.config:

```
<configuration> <runtime> <gcAllowVeryLargeObjects enabled="true" />
</runtime> </configuration>
```

Comments

Comment by [Jakub Veselý](#) [19/Nov/18]

Very large objects su v .net core defaultne zapnute. Treba sa pozriet na parser a konverter a zamysliet sa nad tym.

Comment by [Peter Kratky](#) [19/Nov/18]

Ok, ved dame nejaky brainstorming, ze ake moznosti mame :)

Comment by [Peter Kratky](#) [19/Nov/18]

Tu chybu inak vyhodila kozola.

Pozeram inak v kode, ze ten networkclient tam ma "fileReader.ReadToEnd();". Toto sa obavam ze je moze byt problem kedze ta to chce cele nacitat a poslat.

Ak je to v tom: Možno nieco take, ze bude moznost poslat len filepath a server si nacita zo svojej masiny (cize bude moznost umiestnenia suboru - client/server machine)

Comment by [Jakub Veselý](#) [19/Nov/18]

To bude ono. Este prozmyslam lebo som chcel menit aj v networkingu nejake dalsie veci aby sa neposielalo vsetko v takychto obrovskych batchoch takze moznost sa to spravi takto.

Comment by [Peter Kratky](#) [19/Nov/18]

Oka, pripadne nejako po mensich batchoch.. Inak co sa tyka rychlosti importu, tak to bezi celkom slusne :)

[GPUDB-114] [Vytvorit databazu prostrednictvom konzoly](#) Created: 07/Nov/18 Updated: 26/Nov/18

Status:	To Do
Project:	GPU-DB
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Story	Priority:	Lowest
Reporter:	Peter Kratky	Assignee:	Alexandra Smolova
Resolution:	Unresolved	Votes:	0
Labels:	None		
Σ Remaining Estimate:	6 hours, 30 minutes	Remaining Estimate:	Not Specified
Σ Time Spent:	Not Specified	Time Spent:	Not Specified
Σ Original Estimate:	6 hours, 30 minutes	Original Estimate:	Not Specified

Sub-tasks:	Key	Summary	Type	Status	Assignee
	GPUDB-133	Do config-u dat defaultnu hodnotu na ...	Sub-task	To Do	Alexandra Smolova
	GPUDB-153	Pridat' create db do parsera	Sub-task	To Do	Alexandra Smolova

Sprint: Darth Vader

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