

Sjálfvirknivæðing til bjargar

Ferlið við að færa rekstarumhverfi 20 ára gamals umhverfis í betra horf með notkun nýrra tóla



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Hvað er EVE Online?

Geimleikur sem gerist í framtíðinni og þú sem spilar tekur þátt í að skapa heiminn



- Gefinn út 2003
- Um 500,000 spilarar í hverjum mánuði
- Nokkur met í heimsmetabók Guinness



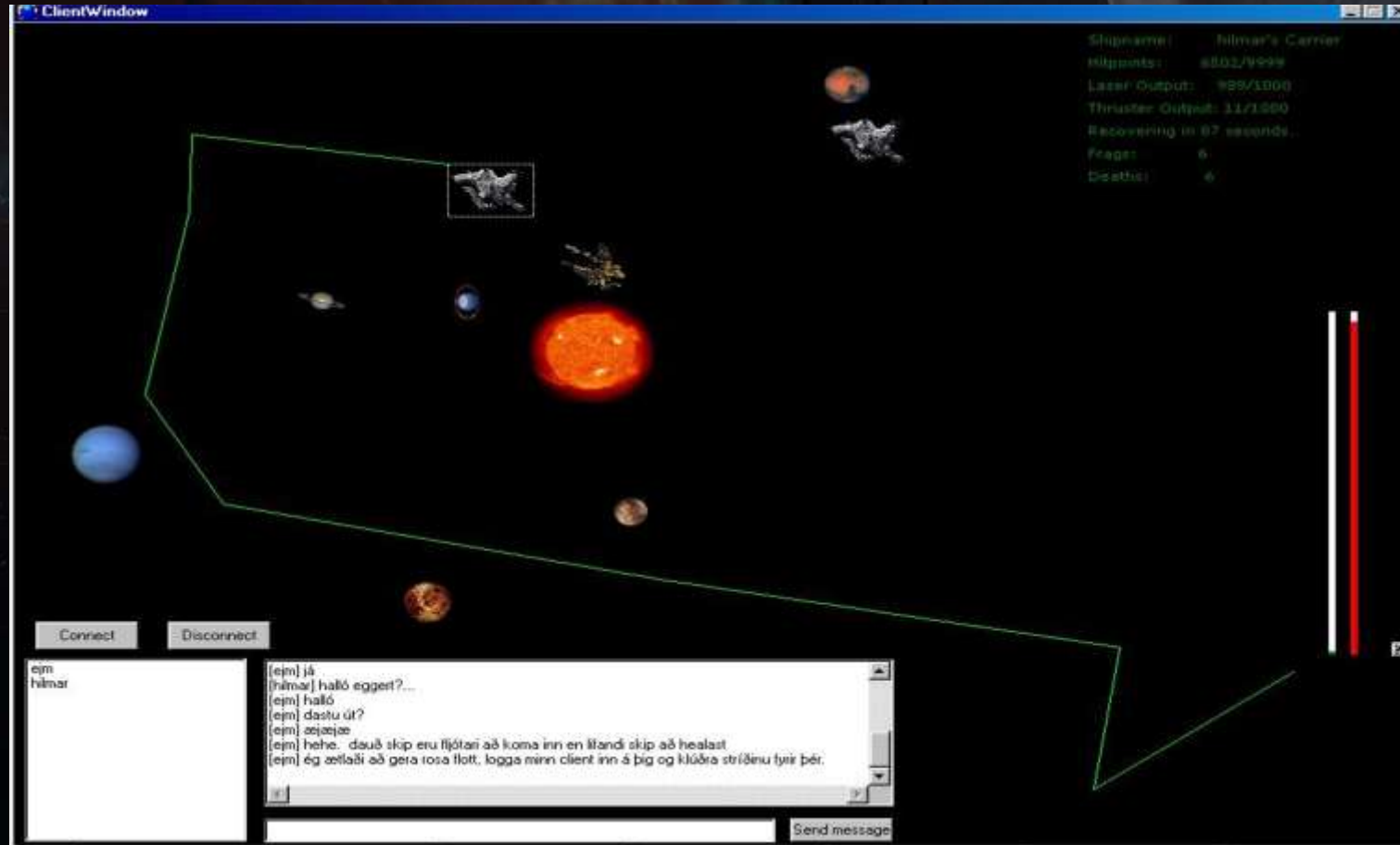
- Sjálfstætt efnahagskerfi rekið af spilurum
- 358 ólík skip
- Yfir 7,000 sólkerfi



- Tugir bóka gefnir út um EVE Online
- Þúsundir spilara ferðast til Íslands til að hitta aðra EVE spilara.



Eve Online



Eve online



Mr.Cluster

The image displays the Mr.Cluster web interface and a terminal window. The web interface, titled "Information and Logs for Tranquility", is located at `http://localhost:20222/` and includes sections for Cluster Status, Administration, Upload New Build, and Fetch Build from Network Location. The Administration section contains buttons for Cluster Startup, Cluster Shutdown, Resurrect Dead Nodes, and Resurrect Forcefully. The Upload New Build section has input fields for New Build .zip file and New patch/diff file .zip file, each with a "Browse..." button and an "Upload" button. The Fetch Build from Network Location section has an input field for UNC Path and a "Fetch Build" button. A "Deploy New Build" button is also present at the bottom.

The terminal window, titled "TRANQUILITY", shows the following logs:

```
Starting 10 sol(s) on 10.20.2.132 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 8 sol(s) on 10.20.2.136 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7'])
Starting 10 sol(s) on 10.20.2.111 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 10 sol(s) on 10.20.2.133 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 10 sol(s) on 10.20.2.141 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 10 sol(s) on 10.20.2.143 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 8 sol(s) on 10.20.2.137 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7'])
Starting 8 sol(s) on 10.20.2.146 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7'])
Starting 8 sol(s) on 10.20.2.147 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7'])
Starting 10 sol(s) on 10.20.2.122 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 10 sol(s) on 10.20.2.142 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 8 sol(s) on 10.20.2.127 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7'])
Starting 8 sol(s) on 10.20.2.126 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7'])
Starting 10 sol(s) on 10.20.2.121 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
Starting 10 sol(s) on 10.20.2.123 (Nodes: ['0', '1', '2', '3', '4', '5', '6', '7', '8', '9'])
10.20.3.44 - admin [04/May/2024:11:00:56] "GET /action/Startup HTTP/1.1" 200 2812 "" "curl/7.21.7 (1386-pc-win32) libcurl/7.21.7 OpenSSL/1.0.0c zlib/1.2.5"
```

Svennisaver

HOME | DB UPDATES | MARKET FEEDING | ADMIN

MENU

- SYNC TO SOURCE
- ADHOC
- EXECUTION HISTORY
- P4 SYNC & HISTORY

DB UPDATES - ADHOC

Sync P4 data & schema, note that this will take 5-8 minutes

Cancel Sync

System Details	2024-05-05 04:31:13
----------------	---------------------

Select a Cluster/Server:

Type	Database/Schema	DB Name	Server
Select	MULTIPLICITY_sbs	sbs_MULTIPLICITY	10.30.0.21

Reset Cluster Selection

Select the database update type:

Database Type	Database	Server
Select	sbs	EVS

Reset Database Type Selection

Select the required updates:

Check the updates from below and click on the "Database Update" link to continue. Note that a system background process for updates has previously been executed.

Exclude Scripts - Apply selected scripts against the target Cluster. Note that you will be asked for input when there is a task checking issue.

Exclude Scripts - Gather all selected updates into a single history folder full of HOT accounts files.

Update ID	Update Name
<input type="checkbox"/>	Available Update: 8709
<input type="checkbox"/>	Available Update: 8708
<input type="checkbox"/>	Available Update: 8707
<input checked="" type="checkbox"/>	Available Update: 8706
<input checked="" type="checkbox"/>	Available Update: 8705
<input checked="" type="checkbox"/>	Available Update: 8704
<input type="checkbox"/>	Available Update: 8703
<input type="checkbox"/>	Available Update: 8702
<input checked="" type="checkbox"/>	Available Update: 8701
<input checked="" type="checkbox"/>	Available Update: 8700
<input checked="" type="checkbox"/>	Available Update: 8699
<input checked="" type="checkbox"/>	Available Update: 8698
<input checked="" type="checkbox"/>	Available Update: 8697
<input checked="" type="checkbox"/>	Available Update: 8696
<input checked="" type="checkbox"/>	Available Update: 8695
<input checked="" type="checkbox"/>	Available Update: 8694
<input checked="" type="checkbox"/>	Available Update: 8693
<input checked="" type="checkbox"/>	Available Update: 8692
<input checked="" type="checkbox"/>	Available Update: 8691
<input checked="" type="checkbox"/>	Available Update: 8690

Deployment Console

Deployment Console: tq @ 2568760 Hosts Work Queue Configuration ▾ Advanced ▾ Extras ▾

Deployment Console For tq

I started putting short scripts in

Enqueue command

Command:

Comments:

[Select Hosts To Run On](#)

Kortleggja Deployment

Fyrir niðurtíma á production umhverfi:

- Kemur Deployment request í tölvupósti
- Uppfæra stage umhverfi 09:30
- Undirbúa production umhverfi

Í niðurtíma á production umhverfi:

- Uppfæra production umhverfið á slaginu 11:00
- Allt manual click-ops
- Allir með sýnar aðferðir
- Oft tveir starfsmenn eða fleiri að uppfæra

HOW TO DEPLOY (ALWAYS IN ORDER)

These are the **main steps** involved in a deployment, you can find details for each item below:

- MULTI** - *Apply changes first unless it's a new release, then we do at some point after TQ (skip steps not included in deployment)*
 - Forward email to eve-test-servers (EVE Test Servers <EVETestServers@ccpgames.com>) and change the title from TRANQUILITY to MULTIPLICITY
 - Remote into Vorne → "RKV-OTDEPLOY"
 - Shutdown the cluster through ESP with a timer (0000:00:30:13F:5000)/admin/network.py?action=GracefulShutdownEmergency/Shutdown or with Mr.Cluster
 - This is **happening automatically now**
 - Prepare and deploy **EVE CLIENT** deployment window in TeamCity
 - Stage and run **EBS** artifacts on db server
 - Deploy **FSD** deployment in Deployment Console (Multi Deployment Console <http://10.101.3.9:8054/hosts/>) (select any host, doesn't matter)
 - Upload **SERVER** code with Powershell or manually (for now) so Mr.Cluster can reach it, and deploy with Mr.Cluster
 - creds for this listed here: https://copyto.ccpgames.com/NEWTTYDWTXCSLSDMRRD_TDR5XDZ6t-ZSLD00SOCKULWATPFOHSVWYUJAbCDLECTLJUC6FWSBFAKJTDH33PFIHQ
 - Start cluster with Mr.Cluster, check node status in Mr.Cluster and try to log into the game (Multiplicity)
 - Reply the email for eve-test-servers saying multi is back online
 - TQ** - *Before DT - What can you prepare before DT (skip steps not included in deployment)*
 - Announce deployment in #eve-deployments
 - Remote into Vorne → "LHR-DEPLOY - Mr.Cluster"
 - Enable/Disable **TQ Deployment Guide SETTINGS** according to email and requirements, specially Autostart (VIP ...)
 - Prepare **EVE CLIENT** window in TeamCity
 - Stage **EBS** artifact on db server
 - Prepare **FSD** deployment in Deployment Console
 - Upload **SERVER** code with Powershell or manually (for now) so Mr.Cluster can reach it
 - Upload local zip file of **SERVER** code with Mr.Cluster
 - TQ** - *During DT - What you need to do during DT (skip steps not included in deployment)*
 - Make sure to wait for all nodes to persist data and **shutdown**
 - Deploy **EVE CLIENT** with TeamCity by clicking the button (you can start when first node goes down)
 - Announce the start of code deployment on #eve-deployments and deploy new **SERVER** build with Mr.Cluster (it takes longer, so we start it first **after all nodes are down**)
 - Deploy **EBS** by running python script on the TQ Server (we can start while code is deploying but after DT DB jobs are done) and wait for the confirmation email from DB
 - Deploy **FSD** with Deployment Console (<https://deploymentsconsole.8050/>) (**always after EBS**) and paste live lvs from output from the last deploy cmd via the deployment console into #eve-deployments

```
11:52:04 Finished deploying FSD version '1a1eaa8-RELEASE.2074604'
```
 - Start the cluster with one of the two options:
 - from support studio by running the job "EVE - DOWNTIME Shutdown Watcher"
 - with the "Start_TQ.ps1" powershell script located in Mr.Cluster's host desktop, (right click and "Run with Powershell")
 - check node status in TQ DB Health Dashboard (<http://10.100.2.12>) and try to log into the game (Tranquility)
- TQ** - *After DT - Post deployment and DT actions (skip steps not included in deployment)*
 - Un VIP **SETTINGS** if necessary
 - Assign the **live** ticket to yourself (if not done already) and set it as DONE
- ◆ **Node status**
- 4: The node has started running and we have a connection to the database
 - 3: The node has successfully opened a network connection to every other node
 - 2: Address cache has been primed, this is basically the routing table so each node knows what every other node is supposed to be doing
 - 1: All startup services have completed their initialization and now some pre-loading of data has begun (market, solar systems etc)
 - 0: The node has been told the cluster is ready, all startup data is loaded and services are ready to receive requests

Client

EVE Client

To update Client, go to https://teamcity.evetechnet.net/project/Applications_EveClientUpgradeTools?mode=builds, login with your AD credentials and expand "EVE Client Upgrade Tools" → "WORLD - Upgrade Client Version" (this will give you status), click on the Run button and prepare by filling in necessary information. Make sure you select the right server (TQ, Multiplicity, etc.) in the dropdown list and write in to the "Live Server Protection" field. Deployment will take a few seconds as long as an agent is ready to run it, starting an agent can take a couple of minutes.

Parameters → Multiplicity → CL

The screenshot shows the TeamCity interface for the "EVE Client Upgrade Tools" build. The build is titled "Upgrade Client Version" and is currently in a "Success" state. The configuration parameters are as follows:

Parameter	Value	Action
Changelist*	1090074	Reset
EVE Server*	TQ	Reset
Live Server Protection*	I am an adult	Reset

The "Live Server Protection" field has a tooltip that reads: "To deploy to a live server write 'I am an adult' in the field. This means you know what you're doing and are aware of the effects this action will have."

Automated slack message currently being sent after deploying

Backend

Download the server code from the Tranquility update email that is sent to EVE Op, make sure to download the serverPackage.zip, rename it to do the date of deployment and copy it to the MrC

Server Code - link to artifact file

- artifact file has to be copied to a central server that can access all sol nodes
- remote into vm that hosts Mr. Cluster
 - user has to always be logged in
 - use Mr.Cluster web ui to stage the code in prep for pushing to sol nodes
 - use Mr.Cluster web ui to deploy code during DT



Copy server code to `\\10.100.3.2\c4\Builds`

Log in to MrCluster as `ccpgames\mrcluster` and make sure to never sign out as this user.

Password can be found in `crypto`

Via MrCluster website, upload server code that was just copied to it.

MrCluster.com : Deploy Code



Gagnagrunn

EBS and core Deployment (DB updates)

- ① Wait for DT DB jobs to complete, you can run a stored procedure to check whether they finished or not (TQ dashboard should show this info as well)

```
EXEC Operations.dbo.DowntimeJobMonitor
```

should reply: "No DT Jobs running"

- link to artifact file - contains individual .sql scripts that need to be executed during DT
 - Automation ticket - Error rendering macro 'jira' : Unable to locate Jira server for this macro. It may be due to Application Link configuration.
- Before DT: stage the artifact file on the db server (D:\patchDeployment) on either CORE or EBS folders
 - Automation ticket - **⚠ Unable to locate Jira server for this macro. It may be due to Application Link configuration.**
- During DT: execute python script in D:\patchDeployment for CORE, EBS or both, with params to execute the local code package

```
host = raw_input ("enter Server (lhr-tqdb): ")
user = raw_input("Type your username: ")
pwd = getpass.getpass('Please enter password')
db = raw_input("Enter DB name (ebs_ADAM): ")
```

server is now **lhr-tqdb64** not just lhr-tqdb
db name is gonna be **ebs_LONDON**, not ebs_ADAM
user and password would be your sql user and password

FSD

FSD Deployment

① FSD always AFTER DB updates are DONE

For this part, you'll need `perforce` and your workspace setup. (your workspace with configs/slices included so you can check it out and submit changes)

Get latest revision of `{configs\slices\TQ}...`

The new version that will be deployed will be listed in email/ticket and with larger deployments the schedule. It will be in the form of `"release-RELEASE.1092111"`

Checkout `TQ.yaml`, right click and **Open** it, find this part of the code:

```
fsd:  
  version: release-TRANQUILITY.1092111
```

Modify the version to the new one in a text editor of your choice (Sublime is quite good with the yaml layout), save the file and click **SUBMIT** on `Perforce`.

Write a description during the **SUBMIT** process, should be something like `"Updating FSD to release-RELEASE.1092111"`


Once all DB updates have been done, including BSD if there is a BSD update, go to `Deployment Console` (<http://deploymentconsole:8001>) and login with your AD credentials. Then run `perforce` to the current configuration, then run `"FSD.deploy"`, select any host you like. If there are no DB updates then wait for DT jobs to finish.

- FSD
 - Before DT: fsd version must be copied and pasted into `perforce` yaml file
 - need to sync `perforce` depot, check file out, paste the exact-no-spaces-added version, check it back in
 - use `Deployment Console` (<http://deploymentconsole:8001>) web ui to press buttons
 - Run update configuration and prepare `fsd.deploy` (but don't run it)
 - During DT:
 - use `Deployment Console` (<http://deploymentconsole:8001>) web ui to press buttons
 - Run `dsf.deploy` → select any host and run
 - copy and paste specific output line to slack channel

```
11:02:04 Finished deploying FSD version 'release-RELEASE.2076904'
```

Niðurstaða


eve-deployments This channel tracks progress of all alr


 **Kristján Finnsson** 10:41 AM


TRANQUILITY UPDATE
- Release: 2022 DILJA
- Build: 20.04.2030047


To be deployed on Friday 8 April. This deployment includes
Deployment ticket: [EO-29811](#).


Autostartup is off


 [2 replies](#) Last reply 2 years ago

 **Josh Bayer** 10:47 AM
Ra here



 **Client Deployment Notifier** APP 11:00 AM
TQ Client Deployment 2030047 Started by Kristján Finnsson

 **Kristján Finnsson** 11:01 AM
deploying code and fsd

 **Client Deployment Notifier** APP 11:01 AM
✓ TQ Client Deployment 2030047 Complete

 **Kristján Finnsson** 11:02 AM

11:01:58 Finished deploying FSD version 'release-
Code still deploying

 [1](#) 

will kick mr.cluster after this deployment

Up and running w/Ansible AWX



Ansible

- Ansible notar einfalt yaml í skilgreingum sínum, sem gerir það aðgengilegt fyrir nýliða sem og sérfræðinga
- Með Ansible er hægt að sjálfvirknivæða nánast allar tegundir verkefna, svo sem appútgáfu, samstillingu kerfisstillinga, og netkerfisumsjón
- Ansible nýtur stuðnings stórs og virks samfélags, sem býður upp á fjölda viðbóta, handrit og handleiðslna.
- Ansible tryggir samræmingu og endurtekningu í öllum þínum vinnuumhverfum, sem minnkar villur og eykur örygg
- Með því að sjálfvirknivæða endurtekin verkefni, sparar Ansible verulegan tíma og fyrirhöfn.

```
- name: Deploy Updates
  block:
    - name: Deploy client update
      ansible.builtin.import_role:
        name: client-code-cdn-deploy
      delegate_to: 127.0.0.1
      run_once: true
      when: enable_client

    - name: prefs-update-deploy
      ansible.builtin.import_role:
        name: prefs-update-deploy
      when: enable_server_code

    - name: Deploy server code
      ansible.builtin.import_role:
        name: server-code-deploy
      when: enable_server_code

    - name: db-updates
      ansible.builtin.import_role:
        name: database-fro-deploy
      run_once: true

    - name: Deploy FSD
      ansible.builtin.import_role:
        name: fsd-update-deploy
      run_once: true
      when: enable_fsd

    - name: Start cluster
      ansible.builtin.import_role:
        name: database-cluster-endpoint-start
      run_once: true
      when:
        - cluster_start_up | bool
```

Kristjan-F.

Undirbúningur



Deployment



Takk fyrir



Ansible APP 9:16 AM

Staging deployment on Multiplicity

Ticket

[DEPLOY-216](#)

CORE

No core updates

FSD

release-V21.06.2568290

Version

2568290

EBS

No ebs updates

Config

No config request



1



1



17 replies Last reply 2 days ago