

ET: Legacy Development - Feature #278

Servers-side and per-client demo recording

03.04.2013 17:17 - boutetnico

Status:	In Progress	% Done:	80%
Priority:	Normal		
Assignee:			
Category:	Server		
Target version:	2.78		
OS:		Arch:	
Description			
Implement a per-user server-side demo recording feature. Provide commands (start/stop) to qagame to allow demo recording control.			
Links:			
Warsow-race implementation: https://github.com/Racenet/racesow/blob/master/source/server/sv_demos.c			
Xonotic implementation: https://github.com/xonotic/darkplaces/blob/div0-stable/sv_demo.c			
Q3-arena demo file specification: http://skuller-vidnoe.narod.ru/q3dspecs.htm			
Related issues:			
Related to ET: Legacy Development - Feature # 229: Add support of ETTV (ETpro*)		New	05.03.2013
Related to ET: Legacy Development - Task # 913: Add menu(s) for controlling s...		New	30.12.2015

Associated revisions

Revision f4e462d8 - 02.02.2014 22:44 - Jacker

initial commit of server side demo recording based on openarena version

Revision faa3cc15 - 09.02.2014 00:58 - IR4T4

server: memory leaks fixed in sv_demo.c

Revision c75d03b8 - 23.02.2014 13:08 - IR4T4

qcommon: catch invalid playerState field count in MSG_ReadX functions

Revision 7e1d474f - 26.02.2014 15:18 - ZTM

qcommon: exact error messages

Revision 93669de2 - 09.10.2014 22:29 - IR4T4

server: our world doesn't know the tell cmd

Revision d36ae5c7 - 28.12.2014 10:52 - IR4T4

server: fix illegal memory access for bad demo messages

Revision d340cad2 - 02.01.2015 10:34 - Jacker

server: move the demo cl command capturing to its own function

Revision 3c3e6b20 - 05.01.2015 13:38 - Jacker

server: cleaned up the server side demo impl

Revision 8ed27620 - 05.01.2015 14:17 - Jacker

build fix

Revision c6177b1b - 06.01.2015 17:35 - IR4T4

renderer2: fix char array comparison (not empty)

Revision 972a2b23 - 13.09.2015 09:12 - IR4T4

server: NULL check for userinfo removed - MSG_ReadString is always returning a 0 terminated String

Revision c2555d50 - 08.10.2015 15:02 - Jacker

svdemo: writing userinfo in the wrong place

Revision 925cd95b - 26.03.2017 16:03 - Irq3000

server: Fix mover state in demo in SV_DemoReadAllEntityState

Revision fa59f3ee - 26.03.2017 16:16 - IR4T4

docs: README-serverside-demos.md

Revision dac84e48 - 26.03.2017 16:25 - IR4T4

doc: shrunk serverside demos readme for ETL

Revision 68e48931 - 27.03.2017 22:38 - Spyhawk

server: better autorecord hooks, refs #278

Revision 1ee6ae96 - 30.03.2017 18:26 - Spyhawk

server: fixed clang warnings, refs #278

Revision 76bea83c - 31.03.2017 21:36 - Spyhawk

server: removed duplicate function declaration, refs #278

Revision 67a376a1 - 01.04.2017 08:59 - IR4T4

server: no need to allocate demoname var dynamically, remove demo commands on SV_Shutdown refs #278

Revision 22593130 - 01.04.2017 09:09 - IR4T4

server: removed duplicate function declaration

Revision cc5469f6 - 01.04.2017 13:44 - IR4T4

server: fix auto recording refs #278

Revision be977012 - 02.04.2017 07:57 - IR4T4

server: fix info prints, clean up refs #278

Revision 19a2c8e9 - 02.04.2017 08:24 - IR4T4

server: ditch dynamic memory allocation in demo code refs #278

Revision 0de96290 - 02.04.2017 09:12 - IR4T4

server: use Com_sprintf instead sprintf refs #278

Revision 3f6121fe - 03.04.2017 14:39 - IR4T4

server: fix open file handles on errors in demo code & goto
'demo_start_playback_clean' removed in SV_DemoStartPlayback refs #278

History

#1 - 03.04.2013 18:19 - Jacker

I will implement the recording, this is also related to the ETTV 'like' feature.

#2 - 04.04.2013 08:39 - Jacker

- Assignee set to Jacker

#3 - 26.07.2013 09:06 - IR4T4

- Target version changed from 2.71rc2 to 2.78

#4 - 24.07.2015 12:18 - Jacker

- Status changed from New to Fixed

- % Done changed from 0 to 100

#5 - 24.07.2015 12:51 - IR4T4

- Target version changed from 2.78 to 2.74

#6 - 30.12.2015 21:36 - Dragonji

- Related to Task #913: Add menu(s) for controlling sv demos playback added

#7 - 05.03.2017 23:58 - Spyhawk

For reference: <https://github.com/ioquake/ioq3/pull/265>

Not sure how the mentioned server-side demo and multiview protocol + server-side multiview demo recording compare to our current implementation.

#8 - 25.03.2017 00:41 - Spyhawk

- Status changed from Fixed to In Progress

- Assignee deleted (Jacker)

- Target version changed from 2.74 to 2.76

- % Done changed from 100 to 90

Some recent patches need to be merged.

See <https://dev.etlegacy.com/boards/3/topics/3018?r=3033>.

#9 - 26.03.2017 16:30 - IR4T4

About the patches (<https://github.com/ioquake/ioq3/pull/265/commits>) I did merge

<https://github.com/ioquake/ioq3/pull/265/commits/8c4673821214fdf422767fabbd4a56c0e12cd58e>

I'm not sure about to send messages to clients when demo actions are done see:

<https://github.com/ioquake/ioq3/pull/265/commits/0ee335a9ac043b5bd37e47139d01516348c4103b>

Let admins decide - thinking of cheater recording?

<https://github.com/ioquake/ioq3/pull/265/commits/63b73eecd89d3e5c156a57dec99812ba48aae615>

The rest seems already merged, ETL specific or out of interest (f.e.

<https://github.com/ioquake/ioq3/pull/265/commits/0374f0710b4b635c337a843fa39730f91aaec37a>)

#10 - 26.03.2017 19:44 - Spyhawk

IR4T4 wrote:

I'm not sure about to send messages to clients when demo actions are done see:

<https://github.com/iquake/quake3/pull/265/commits/0ee335a9ac043b5bd37e47139d01516348c4103b>

Let admins decide - thinking of cheater recording?

Yes, it makes little sense to announce it to clients - see #1021, where auto-record of demo can be enabled if a player has a suspect behavior.

#11 - 01.04.2017 08:57 - IR4T4

- % Done changed from 90 to 80

sv_autoDemo has issues (no demo end/file on simple map change - "/map oasis - /map radar")

- rename all related cvars to start like sv_demoX ?

- add related cvars to UI

#12 - 01.04.2017 10:44 - IR4T4

- rework sv_demoState cvar - there is no need for a cvar. Internal var + info cmd make more sense. CVAR_ROM flagged cvars should only be used for sharing data between game binaries and this isn't the case.

This info cmd might display other relevant demo recording data (recording time etc.)

#13 - 02.07.2017 12:04 - IR4T4

- Target version changed from 2.76 to 2.78