

LOADING...

52-8305

39-3995

61554 710516 2470 472037 483 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 8311 61320 58461 4924 5005 24399000 5759 9 89080553 96071953 831274890 7433407 313 1 701
29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 5252 20002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602
87503 608298 9442 308807 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59901 6920 5541 43120484 6003 4 13727316 52535001 411346137 5317388 954 9 263
65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983
10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224
18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

12-5638

96-7477

95-7221

75-2828

01

DATABASE: THE NEXT GENERATION

DESIGNED BY ALLIYAH TAYLOR



04300 70/2016 12 8:2 2 25
0000000 0100000000
1010 707 400 0000000
0000000000
0000000000

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02

04/08/2016 12:02:23
ADVANCED SYSTEMS
1310 HWY 400 SUITE 100
STONEYTON
VIRGINIA

Alliyah Taylor

EXECUTIVE SUMMARY

THIS DOCUMENT DESCRIBES THE DESIGN AND IMPLEMENTATION OF A DATABASE WHICH TRACKS ALL KNOWN SHIPS IN FEDERATION SPACE INCLUDING CREW, CARGO, AND SYSTEMS ABOARD THE SHIPS. FIRST THE ER DIAGRAM OF THE DATABASE WILL BE SHOWN, FOLLOWED BY A DESCRIPTION OF THE INDIVIDUAL TABLES, INCLUDING THEIR SQL CREATE STATEMENTS AND FUNCTIONAL DEPENDENCIES. SAMPLE DATED FOR EACH TABLE WILL BE PROVIDED. NEXT, THE VIEWS, REPORTS, AND STORED PROCEDURES FROM THE DATABASE WILL BE SHOWN ALONG WITH A SAMPLE OUTPUT. AFTER THIS, THERE WILL BE A DESCRIPTION OF SUGGESTED ROLES AND SECURITY PRIVILEGES FOR THE DATABASE. THE DOCUMENT WILL CLOSE WITH IMPLEMENTATION NOTES, KNOWN ISSUES, AND IDEAS FOR FUTURE IMPROVEMENT.

03

THIS DATABASE'S INTENDED USE IS FOR STARFLEET OFFICIALS TO TRACK SHIPS IN FEDERATION SPACE. THIS SHIP WILL ALLOW FOR BETTER ORGANIZATION OF INFORMATION REGARDING THE PERSONNEL, CARGO, SYSTEMS, AND LOCATION OF SHIPS IN FEDERATION TERRITORY. STARFLEET WILL BE ABLE TO USE QUERIES TO GAIN VALUABLE DATA ON THE STATUS OF SHIPS THAT CAN BE USED IN DEVELOPING TACTICS AND GIVING ORDERS. THE GOAL OF THIS DATABASE IMPLEMENTATION IS TO GIVE STARFLEET A FUNCTIONAL, NORMALIZED DATABASE THAT WILL STREAMLINE THE PROCESS OF KEEPING TRACK OF THE SHIPS IN FEDERATION TERRITORY.



04300.70/2016.12.0.2.03
ADVANCED SYSTEMS UNIT
1010 HWY 400 SUITE 100
STONEY CREEK
ALBERTA

Alliyah Taylor

ER DIAGRAM

4890 7433407 313 1 701
6097 8114032 702 3 602
6137 5317380 954 0 263
3486 3835604 641 0 22794 1503 19767875 75076 983
5657 8064984 624 6 10029 6902 12252329 70440 224
9162 6697335 213 5 67108 6937 60078702 39671 945
LOADING...



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05

BEINGID	INTEGER NOT NULL,
FNAME	TEXT NOT NULL,
LNAME	TEXT,
SPECIES	TEXT NOT NULL,
AGE	INTEGER,
ORIGINPLANET	TEXT,

```
};
```

BEINGID → FNAME, LNAME, SPECIES, AGE, ORIGINPLANET

beingid integer	fname text	lname text	species text	age integer	originplanet text
1	Bok		Ferengi	63	Ferenginar
2	Kazago		Ferengi	41	Ferenginar
3	Rata		Ferengi	30	Ferenginar
4	Lupak		Ferengi	52	Ferenginar
5	Jean-Luc	Picard	Human	59	Earth
6	Data	Soong	Android	26	Omicron Theta
7	Deanna	Troi	Betazoid/...	28	Betazed
8	Q		Q		Q Continuum
9	Wesley	Crusher	Human	16	Earth
10	One	Zero	Bynar		Bynaus
11	Zero	One	Bynar		Bynaus
12	Thomas	Pucer	Human	64	Earth
13	Laren	Ro	Bajoran	24	Bajor
14	John	Connors	Human	32	Earth
15	Wyatt	Miller	Human	30	Haven
16	Wrenn		Tarellian	54	Tarella
17	Ariana		Tarellian	28	Tarella
18	Tebok		Romulan	40	Romulus
19	Alan	Labouseur	Human	49	Earth
20	Ael	Mirok	Romulan	35	Romulus

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 6 61320 58461 4924 5005 243990000 5750 0 00000553 96071053 631274890 7453007 313 1 701 29053 675071 9192 010633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 525200002 32041 1400 1367 35070814 9070 8 96011565 59031530 652196097 8114332 702 3 602 07503 608298 9442 308007 346 68 09702 7607614 42 61 97 047 98 078053892 6 73996511 9311 71423 59001 6020 5541 43120404 6003 4 13727316 52535001 411346137 5317380 954 0 263 65740 431430 8305 716231 317 66 79947 0737686 10 36 99 570 15 715680443 7 45658975 8653 54570 07397 3690 1884 52076545 2426 6 49435201 74135744 130263486 3835604 641 0 22794 1503 19767875 75076 983 10088 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165167 3 31592575 6269 37404 51438 7270 4868 68745300 3330 3 98349379 78754481 563945657 8064984 624 6 10029 6902 12252329 70440 224 10741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 20 559921496 8 27328805 9448 79606 12010 2304 7984 85089680 6442 5 92751037 76138023 521419162 6697335 213 5 67108 6937 60078702 39871 946

CREW: SUBTYPE OF BEINGS, CONTAINS ALL PEOPLE THAT ARE CREW ON A SHIP AND INFORMATION ABOUT THEIR POSITION.

CREATE TABLE CREW

BEINGID INTEGER NOT NULL REFERENCES BEINGS(BEINGID),
SHIPRANK TEXT,
POSITION TEXT NOT NULL,
PRIMARY KEY (BEINGID)

];

FUNCTIONAL DEPENDENCIES:

BEINGID → SHIPRANK, POSITION



04/08/2016 12:02:23
ADVANCED SYSTEMS
1010 707 400 000010
810000105
3101

Alliyah Taylor

beingid integer	shiprank text	position text
1	DaiMon	Helm
2	First Officer	Tactical
3	Second Officer	Engineering
5	Captain	Helm
6	Liutenant Comm...	Second Officer
7	Commander	Counselor
12	Captain	Helm
13	Ensign	Naviagation
14	Ensign	Tactical
16	Captain	Helm
18	Commander	Helm
19	Centurion	Engineering
20	Sub-commander	Tactical



61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 6 51320 58461 4924 5005 24399000 5759 9 89080553 96071953 631274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 521520002 32041 1400 1357 35870814 9070 8 96011565 59031530 652196097 8114332 702 3 602 87503 608298 9442 308097 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59901 6920 5541 43120484 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835604 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

PASSENGERS: SUBTYPE OF BEINGS. INCLUDES ALL NON-CREW PASSENGERS OF THE SHIP AND INFORMATION ABOUT THEIR PURPOSE ABOARD THE SHIP.

CREATE TABLE PASSENGERS

BEINGID
ORIGIN
DESTINATION
PURPOSE
PRIMARY KEY (BEINGID)

INTEGER NOT NULL REFERENCES BEINGS(BEINGID),
TEXT,
TEXT,
TEXT NOT NULL,

];

FUNCTIONAL DEPENDENCIES:



BEINGID → ORIGIN, DESTINATION, PURPOSE

beingid integer	origin text	destination text	purpose text
4	Farenginar	Risa	Traveling to a vacation destination to make profit.
8	The Q Continuum		To try the human race for their crimes.
9	Enterprise	Enterprise	Family Member of Crew Member Beverly Crusher.
15	Haven	Neutral Space	To find a cure to the Tarellian plague.
17	Tarella	Neutral Space	Seeking a peaceful place to live out the Tarellian plague. Family member of crew member

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 16 51320 58461 4924 5005 24399000 5750 0 89000553 96071053 631274890 7453007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52520002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308007 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6020 5541 43120404 6003 4 13727316 52535001 411346137 5317380 954 0 263 65740 431430 8305 716231 317 66 79947 8737686 10 36 99 570 15 715680443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835604 641 0 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3330 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 20 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751037 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

PRISONERS: SUBTYPE OF BEINGS, CONTAINS ALL PEOPLE THAT ARE HELD ON A SHIP AGAINST THEIR WILL AND WHY THEY ARE BEING HELD.

08

CREATE TABLE PRISONERSC

BEINGID INTEGER NOT NULL REFERENCES BEINGS(BEINGID),
ORIGIN TEXT NOT NULL,
DESTINATION TEXT NOT NULL,
VALUEFEDCRED INTEGER,
REASONHELD TEXT NOT NULL,
PRIMARY KEY (BEINGID)

beingid integer	origin text	destination text	valuefed... integer	reasonheld text
10	Bynaus	Starbase 74	100000	Awaiting trial by federation.
11	Bynaus	Starbase 74	100000	Awaiting trial by federation.

];



FUNCTIONAL DEPENDENCIES:

BEINGID → ORIGIN, DESTINATION, VALUEFEDCRED, REASONHELD

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 16 51320 58461 4924 5005 24399000 5759 9 89000553 96071953 631274890 7453907 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52120002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114332 702 3 602 87503 608298 9442 308097 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120484 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

SHIPS: THIS TABLE CONTAINS ALL KNOWN SHIPS IN FEDERATION SPACE AND THEIR BASIC INFORMATION.



CREATE TABLE SHIPS(

SHIPID
NAME
DATEENTEREDFED
STATUS
PRIMARY KEY (SHIPID)

];

FUNCTIONAL DEPENDENCIES:

SHIPID → NAME, DATEENTEREDFED, STATUS

shipid integer	name text	dateentere... numeric (6,1)	status text
1	FMS Chulebas	41723.9	Active
2	USS Enterprise-D	41153.7	Active
3	USS Wellington	41365.3	Active
4	Halsa	41294.5	Active
5	IRW Genorex	41986	Active

04300 70/2016 12 9:2 2 25
ADVANCED SYSTEMS UNIT
1310 707 400 000010
810000 105
1101

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 6 51320 58461 4924 5005 24399000 5750 0 89000553 96071053 831274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52170002 32041 1400 1357 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308097 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59901 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

BEINGSON: THIS TABLE CONNECTS BEINGS TO THE SHIPS THEY ARE ABOARD.

CREATE TABLE BEINGSONC

BEINGID INTEGER NOT NULL REFERENCES BEINGS(BEINGID),
SHIPID INTEGER NOT NULL REFERENCES SHIPS(SHIPID),
PRIMARY KEY (BEINGID, SHIPID)

];

FUNCTIONAL DEPENDENCIES:

BEINGID, SHIPID →



04/08/2016 12:02:23
ADVANCE SYSTEMS
1310 HWY 400 SUITE 100
STONEY BROOK
NY 11410

Alliyah Taylor

beingid integer	shipid integer
1	1
2	1
3	1
4	1
5	2
6	2
7	2
8	2
9	2
10	2
11	2
12	3
13	3
14	3
15	4
16	4
17	4
18	5
19	5
20	5



61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 16 51320 58461 4924 5005 24399000 5759 9 89080553 96071953 631274890 743307 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52520002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308097 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715680443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835604 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 19741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

52-8305

39-3995

12-5638

96-7477

95-7221

75-2826

ALLIANCES: THIS TABLE CONTAINS ALL KNOWN ALLIANCES AND THEIR CURRENT RELATIONSHIP WITH THE FEDERATION.

11

CREATE TABLE ALLIANCES

ALLIANCEID INTEGER NOT NULL,
NAME TEXT NOT NULL,
RELATIONSWITHFED TEXT,
PRIMARY KEY (ALLIANCEID)
];

allianceid integer	name text	relationswithfed text
0	United Federation of Planets	
1	Ferengi Alliance	Neutral
2	Tarellian	Neutral
3	Romulan Empire	Enemies
4	The Q Continuum	Contemptuous
5	Bynaus	Friendly

FUNCTIONAL DEPENDENCIES:



ALLIANCEID → NAME, RELASHIONSWITHFED

04/08/2016 12:02:23
ADVANCED SYSTEMS UNIT
1310 HWY 400 SUITE 100
STONY BROOK
NY 11790

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 8111 61320 58461 4924 5005 24399000 5750 0 89000553 96071953 631274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52170002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308097 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

BELONGSTO: THIS TABLE KEEPS TRACK OF WHAT ALLIANCE A SHIP BELONGS TO.

CREATE TABLE BELONGSTO

ALLIANCEID INTEGER NOT NULL REFERENCES ALLIANCES(ALLIANCEID),
SHIPID INTEGER NOT NULL REFERENCES SHIPS(SHIPID),
PRIMARY KEY (SHIPID, ALLIANCEID)

};

allianceid integer	shipid integer
2	1
0	2
0	3
2	4
3	5

FUNCTIONAL DEPENDENCIES:



ALLIANCEID, SHIPID →

61554 710516 2470 472037 48 21 25962 710055 73 33 44 220 69 701050055 2 13920157 81 16 61320 58461 4924 5005 24399000 5750 0 89000553 96071953 831274890 7453007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 525120002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114332 702 3 602 87503 608298 9442 308697 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59901 6920 5541 43120484 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

BELONGSTO: THIS TABLE KEEPS TRACK OF WHAT ALLIANCE A BEING IS AFFILIATED WITH.

13

CREATE TABLE AFFILIATEDWITHC

ALLIANCEID **INTEGER NOT NULL REFERENCES ALLIANCES(ALLIANCEID),**
BEINGID **INTEGER NOT NULL REFERENCES BEINGS(BEINGID),**
PRIMARY KEY (ALLIANCEID, BEINGID)

];

FUNCTIONAL DEPENDENCIES:

ALLIANCEID, BEINGID →

allianceid integer	beingid integer	0	9
		5	10
		5	11
		0	12
		0	13
1	1	0	14
1	2	2	15
1	3	2	16
1	4	2	17
0	5	3	18
0	6	0	19
0	7	3	20
4	8		



04/08/2016 12:02:23
ADVANCED SYSTEMS
1310 707 400 000010
810019105
3167

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 6 51320 58461 4924 5005 24399000 5750 0 89080553 96071953 831274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52570002 32041 1400 1357 35870814 9070 8 96011565 59031530 652196097 8114332 702 3 602 87503 608298 9442 308097 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 138263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

LOCATIONS: THIS TABLE CONTAINS ALL SYSTEMS AND QUADRANTS THAT COMPRISE FEDERATION TERRITORY.

CREATE TABLE LOCATIONS

LOCID INTEGER NOT NULL,
QUADRANT TEXT NOT NULL,
SYSTEM TEXT NOT NULL,
PRIMARY KEY (LOCID)

;

FUNCTIONAL DEPENDENCIES:

LOCID → QUADRANT, SYSTEM

locid integer	quadrant text	system text
1	Alpha	Tarsas
2	Alpha	Neutral Zone
3	Alpha	Xendi Sabu
4	Alpha	Beta Cassius



04300 70/2016 12 0 2 2 23
ADVANCED SYSTEMS
1310 707 400 000010
810000 105
1101

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 8116 61320 58461 4924 5005 24399000 5750 0 80000553 96071053 631274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52170002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308007 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 0 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 0 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165167 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751037 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

LOCATIONOF: THIS TABLE CONNECTS SHIPS TO THE LOCATION THAT THEY ARE IN.

CREATE TABLE LOCATIONOF

LOCID INTEGER NOT NULL REFERENCES LOCATIONS(LOCID),
SHIPID INTEGER NOT NULL REFERENCES SHIPS(SHIPID),
PRIMARY KEY (LOCID, SHIPID)

];

FUNCTIONAL DEPENDENCIES:



LOCID, SHIPID →

locid integer	shipid integer
3	1
2	2
1	3
4	4
2	5

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 61320 58461 4924 5005 24399000 5750 0 89000553 96071053 831274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52520002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308007 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6020 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 0 263 65740 431430 8305 716231 317 66 79947 8737686 10 36 99 570 15 715680443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835604 641 0 22794 1583 19767875 75076 983 10088 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3330 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559927496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

CARGO: THIS TABLE CONTAINS ALL OF A SHIP'S CARGO AND BASIC INFORMATION ABOUT IT.

CREATE TABLE CARGO

CARGOID INTEGER NOT NULL,
CARGOTYPE TEXT NOT NULL,
QTYINUNITS INTEGER NOT NULL,
ORIGIN TEXT NOT NULL,
DESTINATION TEXT NOT NULL,
PERUNITCREDVAL INTEGER,
PRIMARY KEY (CARGOID)

;

cargoid integer	cargotype text	qtyinunits integer	origin text	destination text	perunitcredval integer
1	Dilithium Ore	40	Dozaria	Ferenginar	400
2	Romulan Ale	200	Romulus	Coridan	50

FUNCTIONAL DEPENDENCIES:

||||| CARGOID → CARGOTYPE, QTYINUNITS, ORIGIN, DESTINATION, PERUNITCREDVAL

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1010 707 400 000010
810000 105
5101



61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 811 61320 58461 4924 5005 24399000 5750 0 89000553 96071053 831274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 521 20002 32041 1400 1357 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308007 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 138263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

52-8305

39-3995

12-5638

96-7477

95-7221

75-2828

CARGOON: THIS TABLE PAIRS CARGO WITH THE SHIP IT IS ON.

CREATE TABLE CARGOONC

CARGOID INTEGER NOT NULL REFERENCES CARGO(CARGOID),
SHIPID INTEGER NOT NULL REFERENCES SHIPS(SHIPID),
PRIMARY KEY (CARGOID, SHIPID)

];

FUNCTIONAL DEPENDENCIES:



CARGOID, SHIPID →

cargoid integer	shipid integer
1	1
2	1

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 16 61320 58461 4924 5005 24399000 5750 0 89000553 96071953 631274890 7453007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52520002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114332 702 3 602 87503 608298 9442 308097 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 138263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

SHIPCLASS: THIS TABLE CONTAINS ALL SHIP CLASSES AND THE TYPE OF SHIP THE CLASS IS USED FOR.

18

CREATE TABLE SHIPCLASS

CLASSID INTEGER NOT NULL ,
CLASSNAME TEXT NOT NULL,
CLASSTYPE TEXT NOT NULL,
PRIMARY KEY (CLASSID)

;

classid integer	classname text	classtype text
1	Galaxy	Explorer
2	Niagara	Fast Cruiser
3	DKora	Attack Vessel
4	Dderidex	Warbird
5	Plague Ship	Transport

FUNCTIONAL DEPENDENCIES:



CLASSID → CLASSNAME, CLASSTYPE

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 1 51320 58461 4924 5005 24399000 5759 9 89000553 96071953 831274890 743307 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52520002 32041 1400 1357 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308097 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

SYSTEMS: THIS TABLE CONTAINS ALL SYSTEMS ABOARD A STARSHIP AND WHAT THEIR FUNCTIONS ARE.

CREATE TABLE SYSTEMSC

SYSID INTEGER NOT NULL,
SYSNAME TEXT NOT NULL,
SYSFUNCTION TEXT NOT NULL,
PRIMARY KEY (SYSID)
];

FUNCTIONAL DEPENDENCIES:



SYSID → SYSNAME, SYSFUNCTION

sysid integer	sysname text	sysfunction text
1	Warp Drive	Propulsion
2	Impulse Engines	Propulsion
3	Sensor Array	Observation and Research
4	Phaser Banks	Tactical
5	Torpedo Launchers	Tactical
6	Deflector Shields	Defense
7	Tractor Beam	Transport
8	Directed Energy Weapons	Tactical
9	Missile Launchers	Tactical
10	Electromagnetic Pulse Weapon	Tactical
11	Disruptor Array	Tactical
12	Cloaking Device	Defense
13	Holodeck	Leisure
14	Environmental Control System	Life Support
15	Transporter	Transport



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1310 HWY 400 DENVER
87001-1005
UNIT 1



].

SYSID, CLASSID →

sysid integer	classid integer
1	1
2	1
3	1
4	1
5	1
6	1
7	1
13	1
14	1
15	1

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 81 6 51320 58461 4924 5005 24399000 5759 9 89080553 96071953 831274890 7433007 313 1 701 29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52170002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602 87503 608298 9442 308007 346 68 89782 7607814 42 61 97 847 98 078853892 6 73996511 9311 71423 59901 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263 65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983 10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224 18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

CLASSOF: THIS TABLE SHOWS WHICH SHIPS BELONG TO WHICH CLASSES.

CREATE TABLE CLASSOF

SHIPID INTEGER NOT NULL REFERENCES SHIPS(SHIPID),
CLASSID INTEGER NOT NULL REFERENCES SHIPCLASS(CLASSID),
PRIMARY KEY (SHIPID, CLASSID)

];

FUNCTIONAL DEPENDENCIES:



SHIPID, CLASSID →

shipid integer	classid integer
2	1
3	2
1	3
5	4
4	5



AS

FROM SHIPS SH, CARGO C, CARGOON CGO

ORDER BY SH.NAME, C.CARGOTYPE, C.QTYINUNITS, C.PERUNITCREDVAL;

name text	cargotype text	qtyinunits integer	perunitcr... integer
FMS Chulebas	Dilithium ...	40	400
FMS Chulebas	Romulan ...	200	50



AS

```
SELECT DISTINCT SH.NAME, SYS.SYSNAME, SYS.SYSFUNCTION
FROM SHIPS SH, SYSTEMS SYS, CLASSOF CO, SHIPCLASS CL, SYSTEMSON SO
WHERE SH.SHIPID = CO.SHIPID AND CL.CLASSID = CO.CLASSID AND SO.SYSID =
SYS.SYSID AND CL.CLASSID = SO.CLASSID
ORDER BY SH.NAME, SYS.SYSNAME, SYS.SYSFUNCTION;
```



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name text	sysname text	sysfuncti... text
FMS Chulebas	Deflector Shields	Defense
FMS Chulebas	Directed Energy Weapons	Tactical
FMS Chulebas	Electromagnetic Pulse Weapon	Tactical
FMS Chulebas	Environmental Control System	Life Supp...
FMS Chulebas	Impulse Engines	Propulsion
FMS Chulebas	Missile Launchers	Tactical
FMS Chulebas	Sensor Array	Observat...
FMS Chulebas	Tractor Beam	Transport
FMS Chulebas	Transporter	Transport
FMS Chulebas	Warp Drive	Propulsion
Halsa	Deflector Shields	Defense
Halsa	Disruptor Array	Tactical
Halsa	Environmental Control System	Life Supp...
Halsa	Impulse Engines	Propulsion
Halsa	Sensor Array	Observat...
Halsa	Tractor Beam	Transport
Halsa	Transporter	Transport
Halsa	Warp Drive	Propulsion

REPORTS AND THEIR QUERIES

QUERY TO VIEW THE TOTAL VALUE OF A SHIP'S CARGO

```
SELECT CREDVAL.NAME, SUM(TOTALCREDVAL) AS TOTALCARGOVAL
FROM (
SELECT NAME ,CARGOTYPE, QTYINUNITS*PERUNITCREDVAL AS TOTALCREDVAL
FROM SHIPCARGO
GROUP BY NAME, CARGOTYPE, QTYINUNITS,PERUNITCREDVAL) AS CREDVAL
WHERE CREDVAL.NAME =CREDVAL.NAME
GROUP BY CREDVAL.NAME
```

24

name text	totalcarg... bigint
FMS Chulebas	26000

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 811 61320 58461 4924 5005 24399000 5759 9 89080553 96071953 631274890 7433007 313 1 701
29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52120002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602
87503 608298 9442 308007 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120404 6003 4 13727316 52535001 411346137 5317388 954 9 263
65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715680443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835604 641 8 22794 1583 19767875 75076 983
10888 254605 6939 599036 705 74 24148 6107047 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224
18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 946

52-8305

39-3995

12-5638

96-7477

95-7221

75-2828

QUERY TO VIEW SHIPS AND HER CAPTAIN

```
SELECT S.NAME, B.FNAME, B.LNAME, C.SHIPRANK
FROM SHIPS S, BEINGSON BO, BEINGS B, CREW C
WHERE S.SHIPID = BO.SHIPID
AND BO.BEINGID =B.BEINGID
AND C.BEINGID=B.BEINGID
AND SHIPRANK = 'CAPTAIN';
```

name text	fname text	lname text	shiprank text
USS Enterprise-D	Jean-Luc	Picard	Captain
USS Wellington	Thomas	Pucer	Captain
Halsa	Wrenn		Captain



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ADVANCE SYSTEMS
1010 707 400 000010
KIDNEY TOS
SIN

61554 710516 2470 472037 48 21 25962 7100055 73 33 44 220 69 701050055 2 13920157 811 61320 58461 4924 5005 24399000 5759 9 89080553 96071953 631274890 7433007 313 1 701
29053 675071 9192 810633 984 50 33294 1127826 84 82 65 451 87 187045918 7 30131629 52520002 32041 1400 1367 35870814 9070 8 96011565 59031530 652196097 8114032 702 3 602
87503 608298 9442 308007 346 68 89782 7607614 42 61 97 847 98 078853892 6 73996511 9311 71423 59001 6920 5541 43120484 6003 4 13727316 52535001 411346137 5317388 954 9 263
65740 431430 8305 716231 317 66 79947 8737686 19 36 99 570 15 715686443 7 45658975 8653 54570 87397 3690 1884 52076545 2426 6 49435201 74135744 136263486 3835684 641 8 22794 1583 19767875 75076 983
10888 254605 6939 599036 705 74 24148 6107847 72 55 30 250 87 582165187 3 31592575 6269 37404 51438 7270 4868 68745300 3339 3 98349379 78754481 563945657 8064984 624 6 10829 6902 12252329 70440 224
18741 397454 5430 282057 726 88 36176 5152738 79 51 25 341 28 559921496 8 27328805 9448 79606 12810 2304 7984 85089680 6442 5 92751837 76138823 521419162 6697335 213 5 67188 6937 60078702 39871 945

52-8305

39-3995

12-5638

96-7477

95-7221

75-2828

QUERY TO VIEW LOCATION OF ALL CARGO

SELECT L.QUADRANT, L.SYSTEM, C.CARGOTYPE
FROM LOCATIONS L, LOCATIONOF LO, SHIPS S, CARGOON CO, CARGO C
WHERE L.LOCID = LO.LOCID
AND S.SHIPID=LO.SHIPID
AND CO.SHIPID=S.SHIPID
AND C.CARGOID=CO.CARGOID;



quadrant text	system text	cargotype text
Alpha	Xendi Sabu	Romulan Ale
Alpha	Xendi Sabu	Dilithium Ore



04000 70/2016 12 8:2 2 25
0400000 8100000000
1010 707 400 000000
8100000000
0100000000

STORED PROCEDURE

PROCEDURE TO SEE WHAT CLASSES A SYSTEM IS USED IN.

CREATE OR REPLACE FUNCTION ISINCLASSINT, REFCURSOR) RETURNS REFCURSOR AS

\$\$

DECLARE

SYS_ID INT := \$1;

RESULTSET REFCURSOR := \$2;

BEGIN

OPEN RESULTSET FOR

SELECT *

FROM SHIPCLASS

WHERE CLASSID INC

SELECT SO.CLASSID

FROM SYSTEMSON SO

WHERE SO.SYSID = SYS_ID) ;

RETURN RESULTSET;

END;

\$\$

LANGUAGE PLPGSQL;

SELECT ISINCLASS(7, 'RESULTS');
FETCH ALL FROM RESULTS;

classid integer	classname text	classtype text
1	Galaxy	Explorer
2	Niagara	Fast Cruiser
3	DKora	Attack Vessel
4	Dderidex	Warbird
5	Plague Ship	Transport

SECURITY

28

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044

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IMPLEMENTATION NOTES/KNOWN PROBLEMS

- POSTGRES DOES NOT YET SUPPORT STARDATES. CURRENTLY, STAR DATES ARE STORED AS NUMERIC VALUES WITH A SINGLE DECIMAL POINT.
- THE DATABASE CURRENTLY COUNTS SENTIENT CARGO AS PRISONERS. THIS IS NOT REPRESENTATIVE OF EVERY CASE AND MUST BE AMENDED IN THE FUTURE. (SOME SPECIES KEEP FARMED HOSTS AS CARGO, BUT THEY ARE NOT HELD AGAINST THEIR WILL AND THUS ARE NOT PRISONERS.)
- THE CURRENT IMPLEMENTATION DOES NOT KEEP TRACK OF WHEN SHIPS LEAVE FEDERATION SPACE, ONLY WHEN THEY ENTER IT. THUS, A FUTURE VERSION SHOULD IMPLEMENT A WAY OF KEEPING TRACK WHEN AND WHERE A SHIP LEFT FEDERATION SPACE.
- THERE ARE MANY MORE ATTRIBUTES THAT SHOULD BE ADDED TO A FUTURE IMPLEMENTATION OF THIS DATABASE SUCH AS A "STATUS" FIELD FOR BEINGS. THIS WOULD ALLOW STARFLEET TO BETTER UNDERSTAND WHAT TACTICS NEED TO BE IMPLEMENTED.



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ADVANCE SYSTEMS
1310 707 400 000010
KIDNEY TOS
STC