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# Painting by Numbers

An Update

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## Matrix visualising aggregatable IPv6-Ranges (8 Bit)

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF



## Matrix visualising aggregatable IPv6-Ranges (8 Bit)

Coloured squares as examples for different network sizes

2001:0DB8:1600::/40

violet

2001:0DB8:0600::/39

orange

2001:0DB8:2000::/38

dark-green

2001:0DB8:3800::/37

light-green

2001:0DB8:8000::/36

red

2001:0DB8:4000::/35

yellow

2001:0DB8:C000::/34

blue

2001:0DB8:8000::/33

lower half

2001:0DB8:0000::/32

whole adress-space



## Matrix visualising aggregatable IPv6-Ranges (8 Bit)

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF



# Matrix visualising aggregatable IPv4-Ranges (8 Bit)

0	1	4	5	16	17	20	21	64	65	68	69	80	81	84	85
2	3	6	7	18	19	22	23	66	67	70	71	82	83	86	87
8	9	12	13	24	25	28	29	72	73	76	77	88	89	92	93
10	11	14	15	26	27	30	31	74	75	78	79	90	91	94	95
32	33	36	37	48	49	52	53	96	97	100	101	112	113	116	117
34	35	38	39	50	51	54	55	98	99	102	103	114	115	118	119
40	41	44	45	56	57	60	61	104	105	108	109	120	121	124	125
42	43	46	47	58	59	62	63	106	107	110	111	122	123	126	127
128	129	132	133	144	145	148	149	192	193	196	197	208	209	212	213
130	131	134	135	146	147	150	151	194	195	198	199	210	211	214	215
136	137	140	141	152	153	156	157	200	201	204	205	216	217	220	221
138	139	142	143	154	155	158	159	202	203	206	207	218	219	222	223
160	161	164	165	176	177	180	181	224	225	228	229	240	241	244	245
162	163	166	167	178	179	182	183	226	227	230	231	242	243	246	247
168	169	172	173	184	185	188	189	232	233	236	237	248	249	252	253
170	171	174	175	186	187	190	191	234	235	238	239	250	251	254	255



## Matrix visualising aggregatable IPv4-Ranges (8 Bit)

Coloured squares as examples for different network sizes

172.16.22.0/24	or 10.22.0.0/16	violet
172.16.6.0/23	or 10.6.0.0/15	orange
172.16.32.0/22	or 10.32.0.0/14	dark-green
172.16.56.0/21	or 10.56.0.0/13	light-green
172.16.128.0/20	or 10.128.0.0/12	red
172.16.64.0/19	or 10.64.0.0/11	yellow
172.16.192.0/18	or 10.192.0.0/10	blue
172.16.128.0/17	or 10.128.0.0/9	lower half
172.16.0.0/16	or 10.0.0.0/8	whole adress-space



# Weblinks

**[ipamv6.schimkowski.net](http://ipamv6.schimkowski.net)**

**[ipamv6.schimkowski.net/demo](http://ipamv6.schimkowski.net/demo)**





IPv6 Address Management Tool | ...

ipamv6.schimkowski.net/demo/

Meistbesucht Erste Schritte Aktuelle Nachrichten IPv6

## IPv6 address management tool

Please select your root network first!

IPv6 root Networks:

- 2001:adb8::/32

[add new network](#)

[show all networks](#)

[TODO-List](#)

[info / help](#)

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Concept by Helge Holz developed by Helmut Schimkowski

[illegible]



IPv6 Address Management Tool | ...

ipamv6.schimkowski.net/demo/?action=editNetworkForm&id=726

Meistbesucht Erste Schritte Aktuelle Nachrichten IPv6

## IPv6 address management tool

IPv6 root Networks:

- 2001:db8::/32

[add new network](#)

[show all networks](#)

[TODO-List](#)

[info / help](#)

Network: 2001:db8::  
netmask: 32  
description: SH  
colour: #6488ff  
root: ☒

[Save](#)

**IPv6 address management tool**

IPv6 root Networks:  
 ■ [2001:db8::/32](#)

[add new network](#)  
[show all networks](#)  
[TODO-list](#)  
[info / help](#)

### 2001:0DB8:0000:0000:0000:0000:0000:0000/32 [SH]

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet  
 subnet: 2001:0DB8:C000::/40  
 description:  
 color: #DCDCDC  
 save  cancel  
[add custom Network](#)

2001:db8::/32 has the following subnets with masks between /32 and /40:



**IPv6 Address Management Tool**

IPv6 root Networks:  

- [2001::db8::/32](#)

[add new network](#)  
[show all networks](#)  
[TODO-List](#)  
[info / help](#)

## IPv6 address management tool

2001:0DB8::0000:0000:0000:0000:0000/32 [SH]

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet  
 subnet: 2001:0DB8::C0 00:: / 34  
 description: Police  
 color: #0A1AFA  
 save  cancel  
  


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 2001:db8::/32 has the following subne  
 Close

## IPv6 address management tool

IPv6 root Networks:

- [2001:db8::/32](#)

[add new network](#)

[show all networks](#)

## TODO-List

[info / help](#)

2001:0DB8:0000:0000:0000:0000:0000/32 (SH)

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

|add new subnet

subnet: 2001:0DB8:  00:: /

description:

color: #DCDCDC

save

cancel

[add custom Network](#)

2001:db8::/32 has the following subnets with masks between /32 and /40:

- [2001:db8:c000::/34](#) (Police) (edit) (delete)



IPv6 Address Management Tool | ...

ipamv6.schimkowski.net/demo/?action=sudoku&mask=32&network=0010000000000001000010110111000000000000000000000000000000000000 Google

Meistbesucht Erste Schritte Aktuelle Nachrichten IPv6

## IPv6 address management tool

IPv6 root Networks:

- 2001:db8::/32

[add new network](#)

[show all networks](#)

[TODO-list](#)

[info / help](#)

### 2001:0DB8:0000:0000:0000:0000:0000:0000/32 [SH]

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet  
subnet: 2001:0DB8::40 00:: / 36  
description: Rural  
color: #F50A19  
save cancel

2001:db8::/32 has the following subne  
■ 2001:db8:c000::/34 [Polizei](#) [\(edit\)](#)

Close

IPv6 Address Management Tool

IPv6 root Networks:

- 2001:db8::/32

[add new network](#)

[show all networks](#)

[TODO-List](#)

[info / help](#)

## 2001:0DB8::0000:0000:0000:0000/32 [SH]

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet  
 subnet: 2001:0DB8:: : /  
 description:  
 color: #DCDCDC

[add custom Network](#)

2001:db8::/32 has the following subnets with masks between /32 and /40:

- 2001:db8:4000::/36 [Purge!](#) [edit](#) [delete](#)
- 2001:db8:c000::/34 [Purge!](#) [edit](#) [delete](#)



[illegible]



IPv6 Address Management Tool | ...

ipamv6.schimkowski.net/demo/?action=sudoku&mask=48&network=001000000000001000011011011000010000000100110000000000000000

Meistbesucht Erste Schritte Aktuelle Nachrichten IPv6

info / help

2001:0DB8:404C:0000:0000:0000:0000:0000/48 (Segeberg)

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet  
 subnet: 2001:0DB8:404C:  00:: /   
 description:   
 color: #DCDCDC  
  [add custom Network](#)

2001:db8:404c::/48 has the following subnets with masks between /48 and /56:

Concept by Helge Holz developed by Helmut Schimkowski



IPv6 Address Management Tool | ...

ipamv6.schimkowski.net/demo/?action=sudoku&mask=48&network=001000000000001000011011011000010000000100110000000000000000

Meistbesucht Erste Schritte Aktuelle Nachrichten IPv6

info / help

2001:0DB8::404C:0000:0000:0000:0000/48 (Segeberg)

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet  
 subnet: 2001:0DB8:404C: 00:: /  
 description:  
 color: #DCDCDC  
 save cancel

add custom Network

2001:db8:404c::/48 has the following subnets with masks between /48 and /56:  
 ■ 2001:db8:404c:2000::/51 (Gem. Wahlstedt) (edit) (delete)

Concept by Helge Holz developed by Helmut Schimkowski



IPv6 Address Management Tool | ...

ipamv6.schimkowski.net/demo/?action=sudoku&mask=48&network=0010000000000010001101101110000100000001001100000000000000

Meistbesucht Erste Schritte Aktuelle Nachrichten IPv6

info / help

2001:0DB8:404C::0000:0000:0000:0000/48 (Segeberg)

00	01	04	05	10	11	14	15	40	41	44	45	50	51	54	55
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet

subnet: 2001:0DB8:404C::00:: /

description:

color: #DCDCDC

save cancel

add custom Network

2001:db8:404c::/48 has the following subnets with masks between /48 and /56:

- 2001:db8:404c::/51 (Gem. Wahlstedt) [edit] [delete]
- 2001:db8:404c::/52 (Trappenkamp) [edit] [delete]

Concept by Helge Holz developed by Helmut Schimkowski

[info / help](#)

2001:0DB8:404C:2000:0000:0000:0000/56 (Gem. Wahlstedt)

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	07	08	09	0A	0B	0C	0D	0E	0F	07	08	09	0A	0B	0C	0D	0E	0F						
02	03	06	07	12	13	16	17	42	43	46	47	52	53	56	57	42	43	46	47	52	53	56	57	42	43	46	47	52	53	56	57	42	43	46	47	52	53	56	57
08	09	0C	0D	18	19	1C	1D	48	49	4C	4D	58	59	5C	5D	48	49	4C	4D	58	59	5C	5D	48	49	4C	4D	58	59	5C	5D	48	49	4C	4D	58	59	5C	5D
0A	0B	0E	0F	1A	1B	1E	1F	4A	4B	4E	4F	5A	5B	5E	5F	4A	4B	4E	4F	5A	5B	5E	5F	4A	4B	4E	4F	5A	5B	5E	5F	4A	4B	4E	4F	5A	5B	5E	5F
20	21	24	25	30	31	34	35	60	61	64	65	70	71	74	75	60	61	64	65	70	71	74	75	60	61	64	65	70	71	74	75	60	61	64	65	70	71	74	75
22	23	26	27	32	33	36	37	62	63	66	67	72	73	76	77	62	63	66	67	72	73	76	77	62	63	66	67	72	73	76	77	62	63	66	67	72	73	76	77
28	29	2C	2D	38	39	3C	3D	68	69	6C	6D	78	79	7C	7D	68	69	6C	6D	78	79	7C	7D	68	69	6C	6D	78	79	7C	7D	68	69	6C	6D	78	79	7C	7D
2A	2B	2E	2F	3A	3B	3E	3F	6A	6B	6E	6F	7A	7B	7E	7F	6A	6B	6E	6F	7A	7B	7E	7F	6A	6B	6E	6F	7A	7B	7E	7F	6A	6B	6E	6F	7A	7B	7E	7F
80	81	84	85	90	91	94	95	C0	C1	C4	C5	D0	D1	D4	D5	C0	C1	C4	C5	D0	D1	D4	D5	C0	C1	C4	C5	D0	D1	D4	D5	C0	C1	C4	C5	D0	D1	D4	D5
82	83	86	87	92	93	96	97	C2	C3	C6	C7	D2	D3	D6	D7	C2	C3	C6	C7	D2	D3	D6	D7	C2	C3	C6	C7	D2	D3	D6	D7	C2	C3	C6	C7	D2	D3	D6	D7
88	89	8C	8D	98	99	9C	9D	C8	C9	CC	CD	D8	D9	DC	DD	C8	C9	CC	CD	D8	D9	DC	DD	C8	C9	CC	CD	D8	D9	DC	DD	C8	C9	CC	CD	D8	D9	DC	DD
8A	8B	8E	8F	9A	9B	9E	9F	CA	CB	CE	CF	DA	DB	DE	DF	CA	CB	CE	CF	DA	DB	DE	DF	CA	CB	CE	CF	DA	DB	DE	DF	CA	CB	CE	CF	DA	DB	DE	DF
A0	A1	A4	A5	B0	B1	B4	B5	E0	E1	E4	E5	F0	F1	F4	F5	E0	E1	E4	E5	F0	F1	F4	F5	E0	E1	E4	E5	F0	F1	F4	F5	E0	E1	E4	E5	F0	F1	F4	F5
A2	A3	A6	A7	B2	B3	B6	B7	E2	E3	E6	E7	F2	F3	F6	F7	E2	E3	E6	E7	F2	F3	F6	F7	E2	E3	E6	E7	F2	F3	F6	F7	E2	E3	E6	E7	F2	F3	F6	F7
A8	A9	AC	AD	B8	B9	BC	BD	E8	E9	EC	ED	F8	F9	FC	FD	E8	E9	EC	ED	F8	F9	FC	FD	E8	E9	EC	ED	F8	F9	FC	FD	E8	E9	EC	ED	F8	F9	FC	FD
AA	AB	AE	AF	BA	BB	BE	BF	EA	EB	EE	EF	FA	FB	FE	FF	EA	EB	EE	EF	FA	FB	FE	FF	EA	EB	EE	EF	FA	FB	FE	FF	EA	EB	EE	EF	FA	FB	FE	FF

add new subnet

subnet: 2001:0DB8:404C:2000:: /

description:

color;

#DCDCDC

save

cancel

add custom Network

2001:db8:404c:2000::/56 has the following subnets with masks between /56 and /64:

- [2001:db8:404c:2000::/64](#) [Library](#) (edit) (delete)
- [2001:db8:404c:2004::/64](#) [Town Hall](#) (edit) (delete)



# Do we need a program like this?



## First thoughts : no

- Nobody who can write address-plans needs it
- Nobody who needs this program should write address-plans



# Second thoughts: Yes!





# Advantages

- **The resulting address-plan is structured**
- **You are able to explain it**
- **You can adjust easily to new challenges**



# Disadvantage

- **You may get the illusion: structure is everything**
- **You still have to think about the why and what**
- **It's much easier to criticize such an address-plan**



# Questions?