

Tom Gilb – Quantifying Music

Dominic Robinson – The Beard Heuristic

Jim Hague – Setting up an ACCU local group

Claudius Link – Complexity: Human Behaviour in Complex Situations

Erik Schlyter – Teenage Mutant Ninja Turtles Pattern

Diomidis Spinellis – name !shame: Rational Naming

Anders Schau Knatten – AUTOMATE ALL THE THINGS

Andy Balaam – Implementing Tail-call Optimisation in C++

Klaus Marquardt – Learning From School

Ed Sykes & Raj Singh – Posse Programming

Bernhard Merkle – I Use A Dead Language

name !shame:
Rational Naming

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49.200

17.50

WhatTheConfig
DNS: 87.76.84.3 and .4
WINS: 87.76.84.7
Netmask: 255.255.224.0
Blue gateway: 87.76.0.1
Red gateway: 87.76.32.1

Network Working Group
Request for Comments: 2322
Category: Informational

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1 April 1998

Management of IP numbers by peg-dhcp

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard of any kind. Distribution of this memo is unlimited.

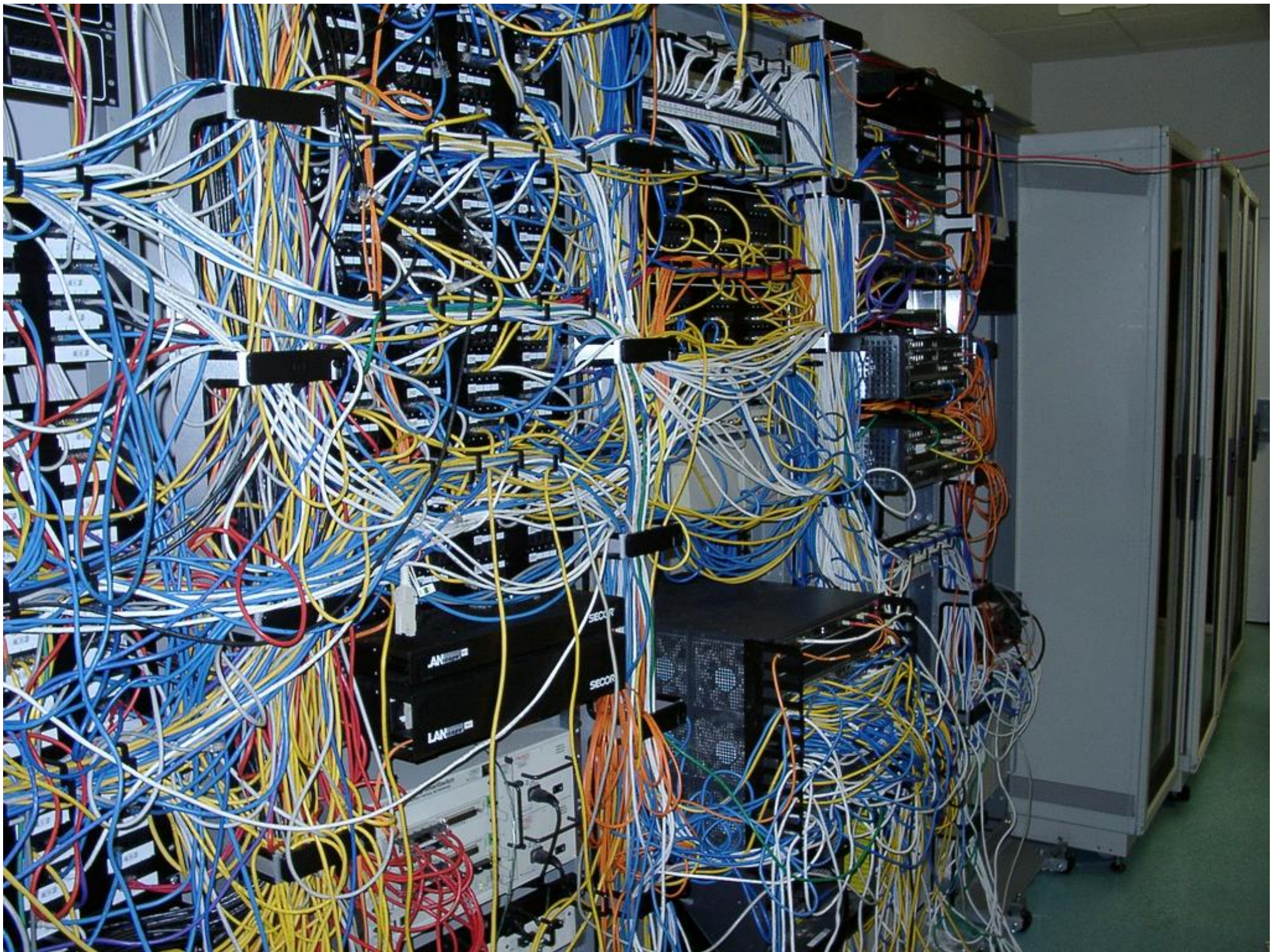
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Introduction

This RFC describes a protocol to dynamically hand out ip-numbers on field networks and small events that don't necessarily have a clear organisational body.

It can also provide some fixed additional fields global for all clients like netmask and even autoproxyconfigs. It does not depend on a particular ip-stack.



malloc, memcpy, strlen, strcmp,
strchr, strcpy, strdup, fprintf,
realloc, sprintf, snprintf,
getenv, strncpy, fclose, fwrite,
strncpy, fopen, strncmp,
memmove, strerror, qsort,
lseek, strcspn, errno, strtoul,
chdir, fdopen, fcntl,

creat

- krb5_store_principal,
krb5_get_credentials, krb5_data_alloc,
krb5_create_checksum,
krb5_config_get_string,
krb5_config_free_strings
- AES_cbc_encrypt, AES_cfb128_encrypt,
AES_cfb1_encrypt, AES_cfb8_encrypt,
AES_decrypt, AES_ecb_encrypt,
AES_encrypt, AES_ofb128_encrypt,
AES_set_decrypt_key,
AES_set_encrypt_key,

copy, copy_n, copy_backward, swap,
iter_swap, swap_ranges, transform,
replace, replace_if, replace_copy,
replace_copy_if, fill, fill_n, generate,
generate_n, remove, remove_if,
remove_copy, remove_copy_if, unique,
unique_copy, reverse, reverse_copy,
rotate, rotate_copy, random_shuffle,
random_sample, random_sample_n,
partition, stable_partition,

pthread_rwlock_wrlock,
pthread_rwlock_unlock,
pthread_rwlock_trywrlock,
pthread_rwlock_tryrdlock,
pthread_rwlock_rdlock,
pthread_rwlock_init,
pthread_rwlock_destroy,
pthread_join,
pthread_cond_signal,

GetWindowLongPtr, GetWindowModuleFileName,
GetWindowText, GetWindowTextLength, GrayString,
InsertMenu, InsertMenuItem, IsCharAlpha,
IsCharAlphaNumeric, IsCharLower, IsCharUpper,
IsDialogMessage, LoadAccelerators, LoadBitmap,
LoadCursor, LoadCursorFromFile, LoadIcon,
LoadImage, LoadKeyboardLayout, LoadMenu,
LoadMenuIndirect, LoadString, MapVirtualKey,
MapVirtualKeyEx, MessageBox, MessageBoxEx,
MessageBoxIndirect, ModifyMenu, OemToChar,
OemToCharBuff, OpenDesktop, OpenWindowStation,
PeekMessage, PostMessage, PostThreadMessage,
PrivateExtractIcons, RealGetWindowClass,
RegisterClass, RegisterClassEx,
RegisterClipboardFormat, RegisterDeviceNotification,
RegisterWindowMessage, RemoveProp,

- FILE, ASN1_INTEGER,
- WINAPI, HANDLE, LPWSTR, DWORD,
- fpos_t, wctype_t, int16_t, int32_t,
uint_least8_t, uint_least64_t,
sig_atomic_t, clock_t, time_t
- promise, future, basic_ios,
basic_stringbuf, recursive_mutex,
invalid_argument, tuple, thread,
allocator, weak_ptr, shared_ptr,
reverse_iterator, back_insert_iterator,

Type Names

- ▶ Type names start with a capital letter and have a capital letter for each new word, with no underscores: `MyExcitingClass`, `MyExcitingEnum`.

Variable Names

- ▶ Variable names are all lowercase, with underscores between words. Class member variables have trailing underscores. For instance: `my_exciting_local_variable`, `my_exciting_member_variable_`.

Constant Names

- ▶ Use a `k` followed by mixed case: `kDaysInAWeek`.

Function Names

- ▶ Regular functions have mixed case; accessors and mutators match the name of the variable: `MyExcitingFunction()`, `MyExcitingMethod()`, `my_exciting_member_variable()`, `set_my_exciting_member_variable()`.

```
BITMAP bmp;
HDC hdc;
int x, y;
COLORREF cref;
HGDIOBJ oldobj;
if (!GetObject(cb_hnd, sizeof(BITMAP), &bmp))
    error("Unable to get bitmap dimensions");
setmode(fileno(iofile), O_BINARY );
fprintf(iofile, "P6\n%d %d\n255\n", bmp.bmWidth, bmp.bmHeight);
if ((hdc = CreateCompatibleDC(NULL)) == NULL)
    error("Unable to create a compatible device context");
if ((oldobj = SelectObject(hdc, cb_hnd)) == NULL)
    error("Unable to select object");
for (y = 0; y < bmp.bmHeight; y++)
    for (x = 0; x < bmp.bmWidth; x++) {
        cref = GetPixel(hdc, x, y);
        putc(GetRValue(cref), iofile);
        putc(GetGValue(cref), iofile);
        putc(GetBValue(cref), iofile);
    }
SelectObject(hdc, oldobj);
DeleteDC(hdc);
```



Java™

Rational Names

- `ClassName`, `TypeName`
- `functionName`, `methodName`, `variableName`
- `CONSTANT_NAME`
- `namespace1::namespace2::namespace3`

Headers

- `#include <cxx/string>`
- `#include <c/stdio>`
- `#include <org/posix/fcntl>`
- `#include <org/boost/gregorian>`
- `#include <com/microsoft/winuser>`

```

#include <set>
#include <functional>
#include <memory>
#include <cxx/pair>
namespace cxx {
    template <class K, class C = std::less<K>,
              class A = std::allocator<K> > class Set {
    private:
        typedef std::set<K, C, A> S;
        S s;
    public:
        // types
        typedef typename S::key_type           Key;
        typedef typename S::value_type        Value;
        typedef typename S::key_compare       KeyCompare;
        typedef typename S::value_compare     ValueCompare;
        typedef typename S::allocator_type    Allocator;
        typedef typename S::reference         Reference;
        typedef typename S::const_reference   ConstReference;
        typedef typename S::iterator         Iterator;
        typedef typename S::const_iterator   ConstIterator;
        typedef typename S::size_type        Size;
        typedef typename S::difference_type  Difference;
        typedef typename S::pointer          Pointer;
        typedef typename S::const_pointer    ConstPointer;
        typedef typename S::reverse_iterator ReverseIterator;
        typedef typename S::const_reverse_iterator ConstReverseIterator;

```

```
// iterators
```

```
Iterator
```

```
ConstIterator
```

```
Iterator
```

```
ConstIterator
```

```
ReverseIterator
```

```
ConstReverseIterator
```

```
ReverseIterator
```

```
ConstReverseIterator
```

```
begin() { return s.begin(); }
```

```
begin() const { return s.begin(); }
```

```
end() { return s.end(); }
```

```
end() const { return s.end(); }
```

```
reverseBegin() { return s.rbegin(); }
```

```
reverseBegin() const { return s.rbegin(); }
```

```
reverseEnd() { return s.rend(); }
```

```
reverseEnd() const { return s.rend(); }
```

github.com/dspinellis/rat-name

dspinellis / rat-name

Admin Unwatch Fork Pull Request 1 1

Code Network Pull Requests 0 Issues 5 Wiki 3 Graphs

branch: master Files Commits Branches 1 Tags Downloads

rat-name / CXX

name	age	message	history
..			
pair	14 minutes ago	Initial commit [dspinellis]	
set	14 minutes ago	Initial commit [dspinellis]	
string	14 minutes ago	Initial commit [dspinellis]	
vector	14 minutes ago	Initial commit [dspinellis]	

- Everyone's Issues 5
- Assigned to you 0
- Mentioning you 0
- No milestone selected

- Labels
- bug 0
 - duplicate 0
 - enhancement 0
 - invalid 0
 - question 0
 - wontfix 0

No active filters. Use the sidebar to filter issues. Keyboard shortcuts available

5 open issues 0 closed issues Submitted Updated Comments

Close Label Assignee Milestone

- #5 **Use rvalue references and move constructors**
by dspinellis just now
- #4 **Add one issue per header**
by dspinellis 3 minutes ago
- #3 **Format documentation**
by dspinellis 3 minutes ago
- #2 **Add documentation**
by dspinellis 4 minutes ago
- #1 **Testing framework**
by dspinellis 5 minutes ago

5 open issues in this view

github.com/dspinellis/rat-name