



# Teemip

## An open source solution for the management of your IP addresses



Teemip is an open source software dedicated to the management of IP spaces.

Designed for service providers and corporations, Teemip answers the problematic of IP management:

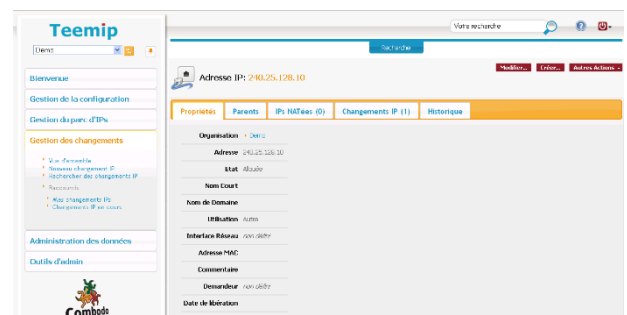
- A detailed inventory of IPv4 and IPv6 objects is available through a WEB GUI,
- User requests are managed,
- Reports and audits provide a detailed status of your IP space,
- It natively integrates with network administration solution already deployed in companies.

With Teemip, forget about Excel and benefit from a professional tool to manage your IP addresses.

### IP space management

A comprehensive and user friendly WEB GUI allows network administrators to manage their IP space following IP Management best practices:

- Define v4 and v6 address plans through hierarchical subnet blocks,
- Manage your subnets and be aware at any time of their occupancy rate,
- Reserve IP ranges within subnets (for DHCP, printers...),
- Allocate or free IP addresses,
- Document your NAT IPs.



*Detail of an IP address*

Teemip offers advanced functions for allocating and changing (split, shrink, expand) subnet blocs and subnets.

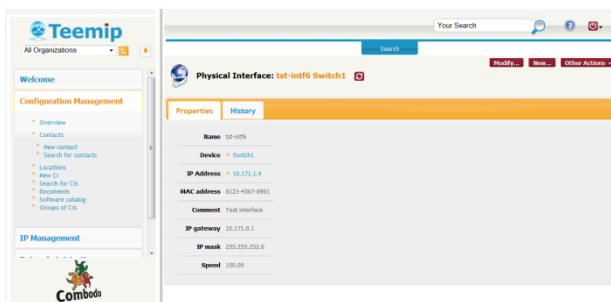
History of all modifications that are made to your IP space is registered, which allows you to navigate back to the source of the changes that have led to network misbehaviours.

Thanks to Teemip WEB portal, your IT teams have a global and centralized vision of the IP space of your company.

## A detailed CMDB

Teemip integrates a CMDB focusing on configuration elements (CIs) that are relevant to the IP administration. These CIs include:

- Infrastructure elements (Servers, VMs, PCs, Printers, Network devices...)
- Network specifics (IP interfaces, VLANs, DNS Domains, WAN Links, AS Numbers, VRFs...)
- Sites
- Documentation



*Detail of an IP interface*

The CMDB allows you to document as well all your contacts (teams and persons) together with their roles and responsibilities.

## Quick access to information

Teemip provides multi criteria research capabilities as well as a global search engine for an easy navigation in the data base. Quick access to information reduces significantly the time that is required to administer IP data.

Furthermore, each piece of information stored in Teemip is reachable through a direct web link. Users can therefore easily share a page or the result of a search.

## Integrated audit

It's quite often complex to guaranty that all information required to manage an IT environment is well documented. The audit tool integrated within Teemip allows you to define rules that control the presence in the data base of the information that you define as necessary. Error report quickly point to IT administrators what information is missing.

### Interactive Audit

Audit Rule	# Objects	# Errors	% Ok
Datacenter device	6	5	16.67 %
Device with no management IP	5	(CSV)	16.67 %
IP Addresses	40	1	97.50 %
List of released IPv4	1	(CSV)	97.50 %
List of released IPv6	0		100.00 %
Subnets	14	0	100.00 %
IPv4 subnet > 70% full	0		100.00 %
IPv6 subnet > 70% full	0		100.00 %

Audit rules are directly defined through the administrative interface and error reports are computed in real time.

## Easy data import

A lot of information related to the IP space or the CMDB is traditionally stored in Excel files. Teemip's import tool allows to quickly load this information in the data base. User is guided through the import process and the tool insures data coherency. All objects that are managed in the application can be massively imported together with their relations. This facilitates incorporation of existing data as well as their update within Teemip.

## Helpdesk

Teemip includes a helpdesk module dedicated to IP administration. It offers a specific workflow for the creation, the modification or the release of subnets and IP addresses.

Email notifications and automatic actions (closure of a ticket) can be associated to tickets life cycle.

## User portal

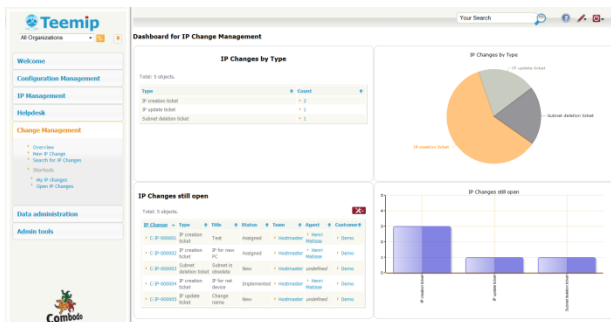
User requests related to IP addresses or subnets can be submitted through a portal where users can follow their tickets throughout their life cycle and update them at any time. No need any more to

exchange mails. Teemip centralizes all information related to an IP ticket.

## Dashboards

Teemip provides simple customizable dashboards to monitor the service and the quality of what's being delivered. They are available within each module and allow you to follow, for instance:

- Objects of managed IP spaces
- The activity of the Hostmaster team



Report on open tickets

## Activity reports integrated with Excel

By using Excel's native feature to import web data, activity reports based on Teemip data can easily be generated.

These reports can automatically be kept up to date and shared within an IT team. No need to learn a new reporting tool as basic Excel knowledge is enough.

Teemip provides SQL views as well for integration with reporting tools like Crystal Reports or Jasper Reports.

## Data integration

Teemip includes a powerful data exchange engine to centralize in Teemip's data base information coming from different external sources (applications, files, data bases).

Information that is generated by this engine is dynamically created, updated and deleted according to reconciliation rules defined within Teemip.

Symmetrically, all information that is stored in Teemip can be exported in HTML, CSV or XML format through web services and processed by a script or an ETL to drive an external application:

- DNS (add A or PTR records in a zone)

- DHCP (reserve an IP address in a DHCP range)



## Open data model

Teemip application relies on a data model that can be fully customized and therefore adapted to the specific need of a corporation. It allows to define:

- IP objects and their attributes.
- Relations between these objects.
- Dependency rules.
- Display rules.
- Life cycle / workflow and associated actions.

That customization feature allows to precisely adapt Teemip to the corporations' needs without having to undertake specific development in the application.

**Download Teemip for free!**

[www.teemip.com](http://www.teemip.com)



### General characteristics

- Multi-organisations with data segregation
- Multi criteria research engine
- Data export to CSV, HTML, XML formats
- Data import at CSV format
- Multi lingual (per user)
- Google like global search
- Synchronous or asynchronous automated email notifications
- Management of user profiles
- Direct links to IP objects, CIs and lists
- Local / LDAP / JA-SIG CAS / external authentication
- Full history of modifications
- Editable dashboards

### IP space management

- Global parameters specific to each organisation
- Full IPv4 and IPv6 support
- Hierarchical subnet blocks for the definition and management of the IP Plan
- Subnet management
- Resizing functions (split, shrink, expand) for subnet blocks and subnets
- Subnet calculator
- Help for subnet blocks and subnets allocation
- Capacity management. Subnet occupancy rates are displayed and alarms can be generated when user defined threshold are reached
- Management of IP ranges dedicated to DHCP or any specific usage
- IP address management
- Management of NAT IPs
- Released subnets and IPs can be kept in the data base and be erased at a later date defined by an administrator

### CMDB

- Management of contacts and roles
- Infrastructure management (servers, virtual environments, network devices, printers, PCs, ...)
- Network specifics management (IP interfaces VLANs, DNS Domains, WAN Links, AS Numbers, VRFs...)
- Management of relations between CIs
- Document management (in relation to CIs)
- Hierarchical organisation and site management

### Helpdesk

- Management of user requests related to IP addresses and subnets
- Team and agent assignments
- Automatic update of dates and time counters
- Automatic notification of contacts

- Requests and related IP objects are linked together
- Automated workflow to ease allocation of subnets and IP addresses
- Log of actions
- User portal where to submit and follow IP Requests

### Minimum requirements

- **Web browser:** IE 8+ , Firefox 3+, Safari 5+, Chrome
- **System:** Windows, Linux (Debian, Redhat, FreeBSD), Solaris
- **Web server:** IIS or Apache with PHP 5.2 +
- **Data base:** MySQL 5.0+
- **Hardware (server):** 2 processors with 4 Gb memory and 50 Gb hard drive.

Try Teemip now!

[www.teemip.com](http://www.teemip.com)

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