

Atomia Cloud Hosting Platform Overview

Atomia has been designed from the ground up to be a highly scalable, modular platform for all kinds of cloud and web hosting services. It comes with built-in support for a large number of services and technologies, and can easily be extended with more. This document will give you a brief overview of its features.

The Platform & Our Philosophy

Atomia offers much more than just a traditional web hosting control panel. The Atomia Cloud Hosting Platform is a complete, one-stop solution for a variety of cutting-edge hosting services, customized according to your needs. You provide the hardware, and our platform handles the rest:

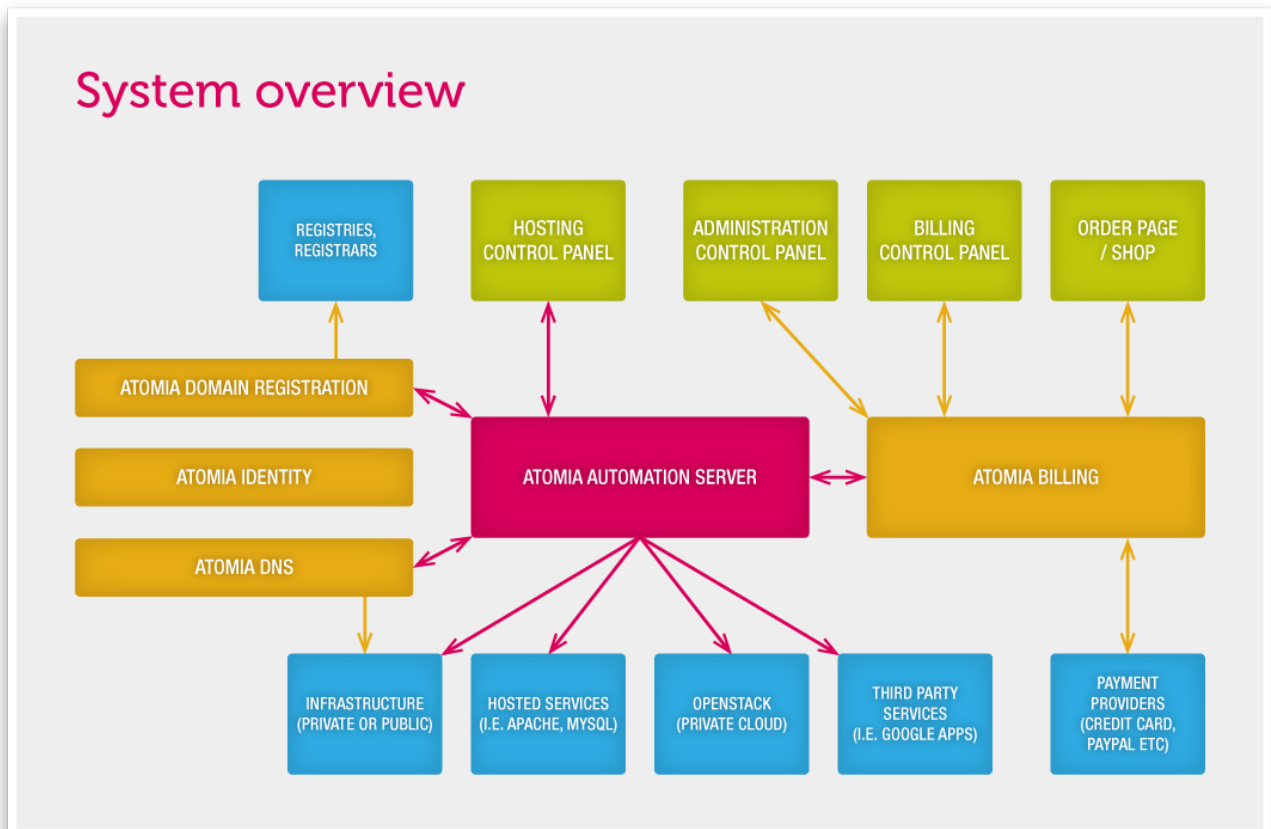
- Clustered shared hosting (Linux and Windows; Apache, IIS, and more)
- VPS hosting (via OpenStack)
- DNS hosting
- Domain name registration and management
- Billing system
- Control panel for end users
- Control panel for administrators and support staff

You have complete control over what products you offer, styling and branding of control panels, even white-labeling and reselling. The entire platform is very developer friendly, in case you want to customize anything, or integrate with other systems.

Our platform has been designed to make life easier for both your end users and your support staff. For you this means, among other things, centralized management of your resources even if your infrastructure is distributed, thanks to our flexible automation engine.

Another important goal has been to make Atomia future-proof. We continuously develop and improve the whole platform, and all of our customers and their users automatically benefit from this work.

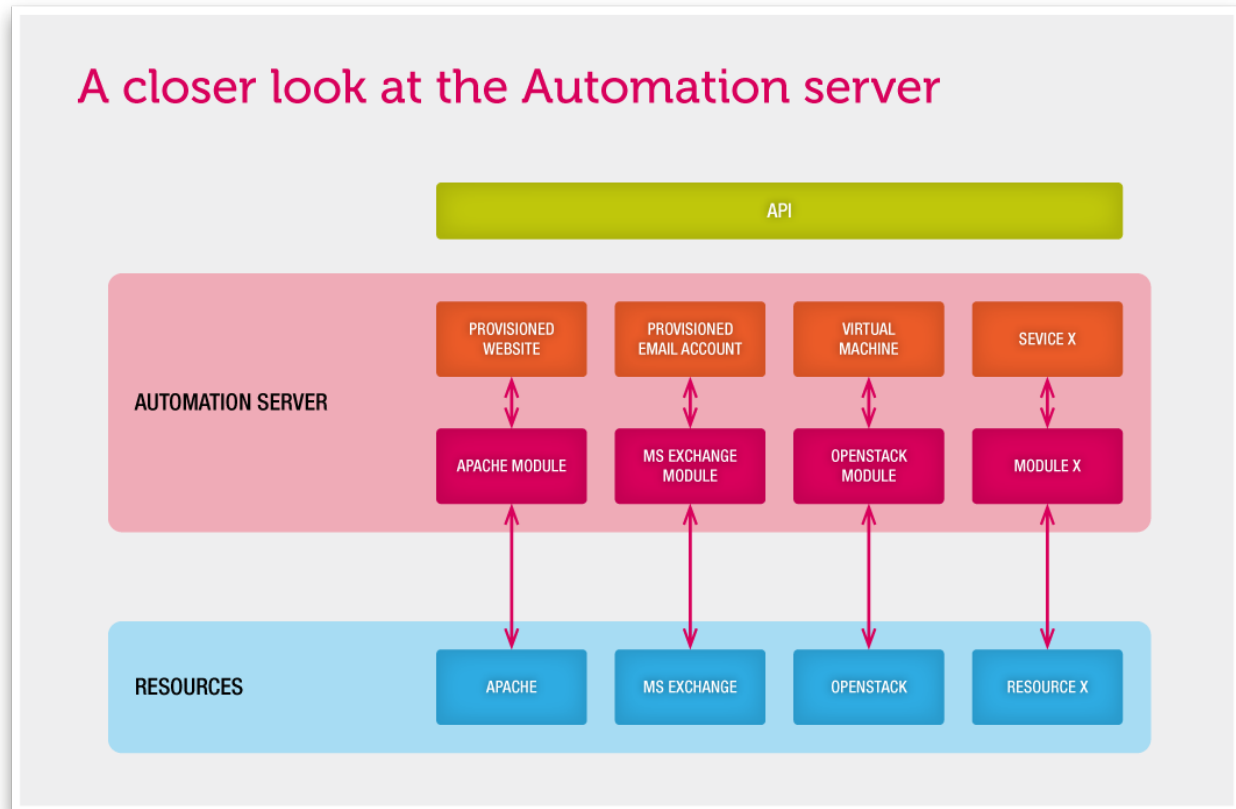
As an Atomia customer, you subscribe to an ever-evolving cloud hosting platform that will only get better and better over the years.



Atomia Automation Server

Our automation server software is the heart of the entire system. We provide it together with the set of modules and services that make up the Atomia Cloud Hosting Platform, but it can automate, provision and configure any resource or service it has been taught to interact with. It is thanks to this modularity that the whole platform is so easy to modify and extend.

A closer look at the Automation server



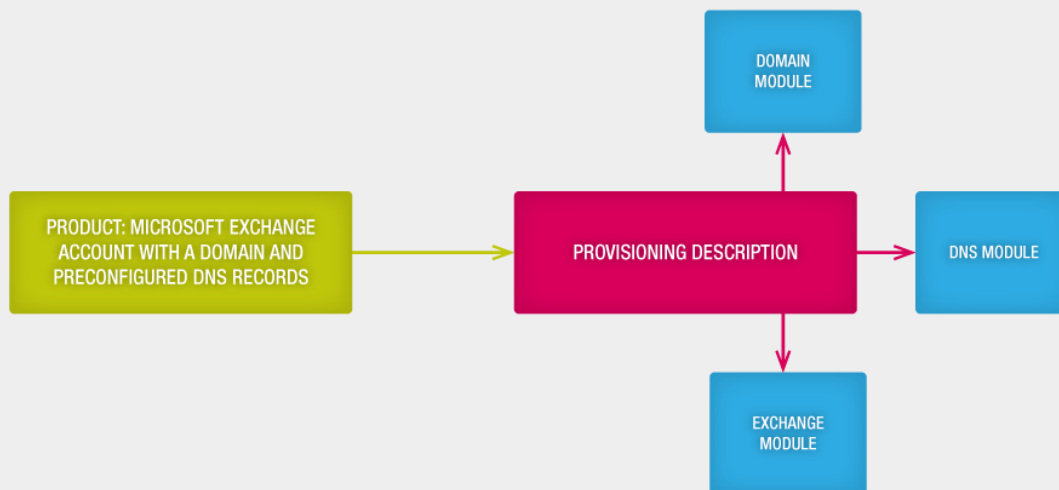
Packages and Products

Atomia treats each service as a separate module. These modules can be bundled and provisioned as a package, and may also have interdependent configuration options if needed.

Bundling services is an important concept in Atomia, and is also how you combine multiple services into products for your users. This way you can construct any kind of products you want to offer your customers.

For example, it would be trivial to define a product that offered a VPS machine pre-configured with various services and settings, or another product that represented an Apache website with a domain name and a specific amount of storage and monthly bandwidth.

Product example



In short, Atomia offers you a ton of flexibility so you're not limited in what kind of products you can offer your customers. A more detailed explanation of services, packaging and products can be found here:

<http://documentation.atomia.com/AutomationServer/13.1.3.0/html/scroll-bookmark-7.html#scroll-bookmark-8>

Supported Technologies

Atomia's platform comes with pre-configured support for a large number of hosting-related technologies, and can easily be extended to support more. For a sample of the technologies we support, please visit:

<http://www.atomia.com/technologies>

Atomia Billing

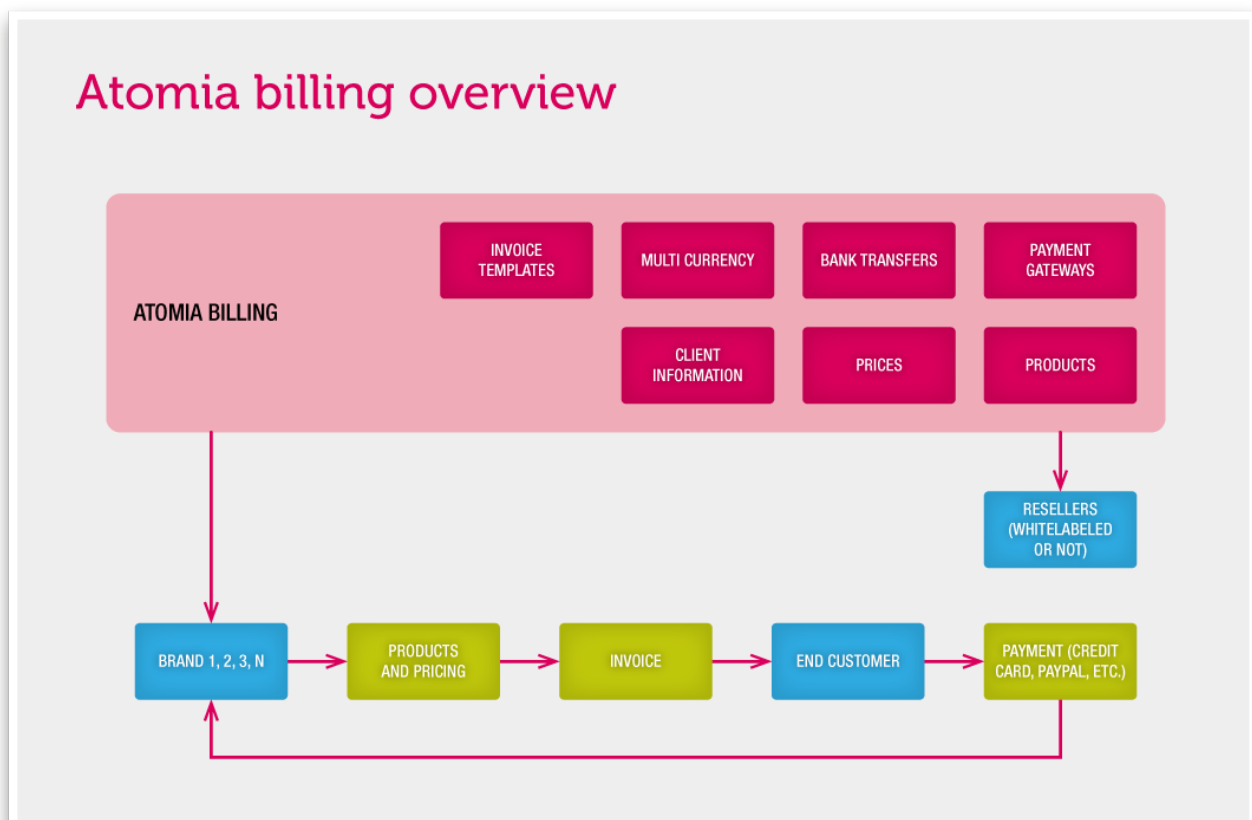
Our flexible billing system is another important building block in the Atomia Cloud Hosting Platform. It is used to keep track of the following:

- Customer information
- Product information
- Invoices
- Payments
- Credit notes
- Refunds

The billing system can be set up in a variety of ways to fit your company perfectly. Capabilities include support for:

- Multiple currencies
- Multiple brands
- Multiple markets (e.g. countries)
- Multiple payment options
- Multiple invoice delivery methods

Here is an illustrated example of a typical Atomia Billing setup:



Like the Atomia Automation Server, our billing software comes with a full set of APIs that can be used to build custom applications or to connect third-party software and services.

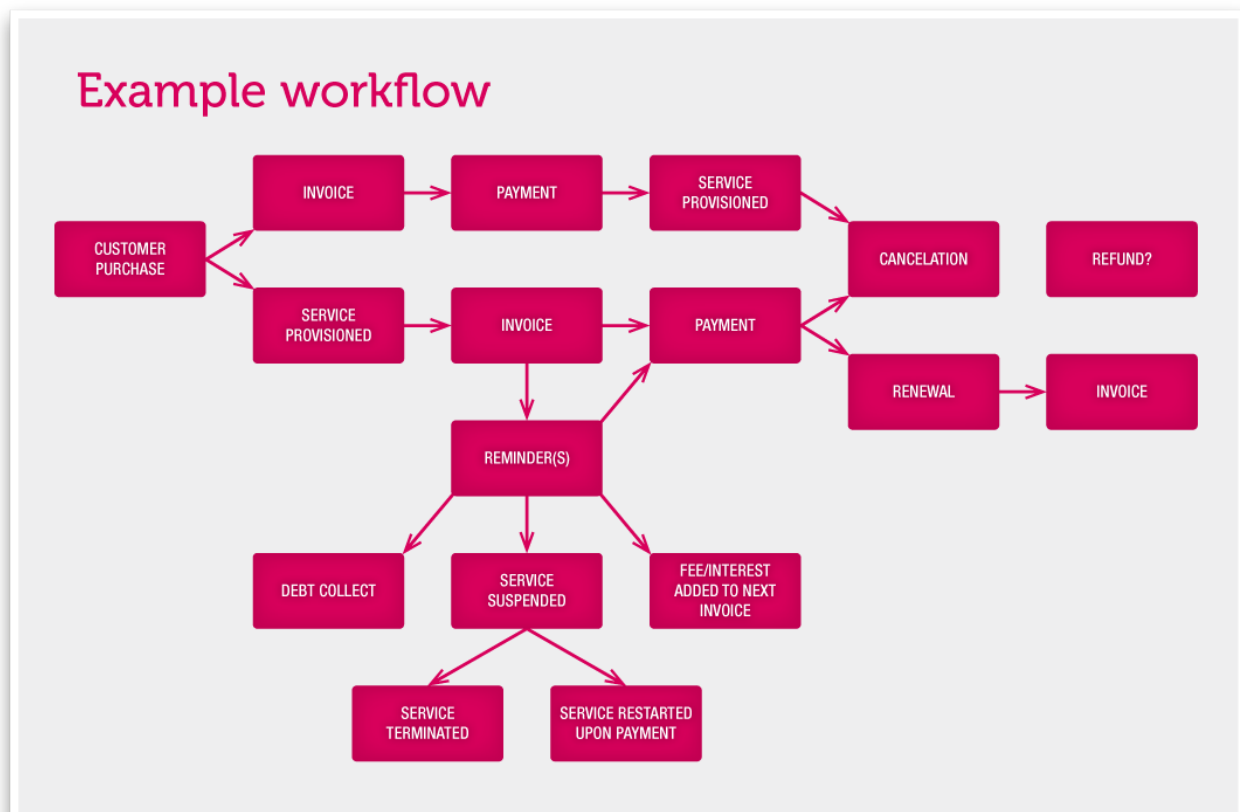
You can read more about our billing software here:

<http://documentation.atomia.com/Billing/13.8.4981.26607/html/scroll-bookmark-3.html>

Flexible Billing Workflows

A core concept in Atomia Billing is the idea of workflows. They let you specify exactly how you manage user accounts and billing for your customers.

Since requirements differ greatly between companies, flexibility is key. The below illustration shows an example of how you can configure a workflow:



How these generic workflows work is explained in detail here:

<http://documentation.atomia.com/Billing/14.1.5165.27998/html/scroll-bookmark-36.html#scroll-bookmark-100>

The platform comes with a set of preconfigured workflows to make it easy to get started, but it is good to know that you can customize them as you wish.

Flexible Pricing Methods

End users can be charged for products in a number of different ways:

- One-time fees
- Recurring fees (subscriptions)
- Usage-based fees (CPU, memory, storage, time)
- Combinations of the above

The idea is to leave it up to you to structure your pricing in a way that suits your business (and business model).

DNS and Domain Name Management

We have open sourced our DNS management system, Atomia DNS. It comes with full support for PowerDNS with DNSSEC, but can also handle BIND. (PowerDNS is our recommended default.)

This is a powerful, highly scalable DNS management system that has been battle-tested by large telecoms and web hosting companies.

You can read more about Atomia DNS here:

<http://atomiadns.com>

Domain Name Registration

The Atomia Automation Server uses a separate module to register, renew and transfer domain names. All domain name-related actions expected of a modern hosting company are supported, including DNSSEC.

We have direct registry support for the following TLDs:

- .com/net/org/biz/info
- .nl
- .se
- .no
- .pl
- .at
- .pt
- .fr
- .nu
- .eu
- Plus any other TLD that has standard EPP support.

Other TLDs can be handled via any of these registrars:

- OpenSRS
- CORE/NIC
- Ascio
- eNom

The plugin-based Atomia domain registration software lets you to choose a registry or registrar for each TLD. Support for additional TLDs can easily be added by creating a plugin with the registry/registrar-specific logic.

Control Panels

To truly empower both your administrators and your end users, Atomia's control panels provide centralized management of your entire infrastructure.

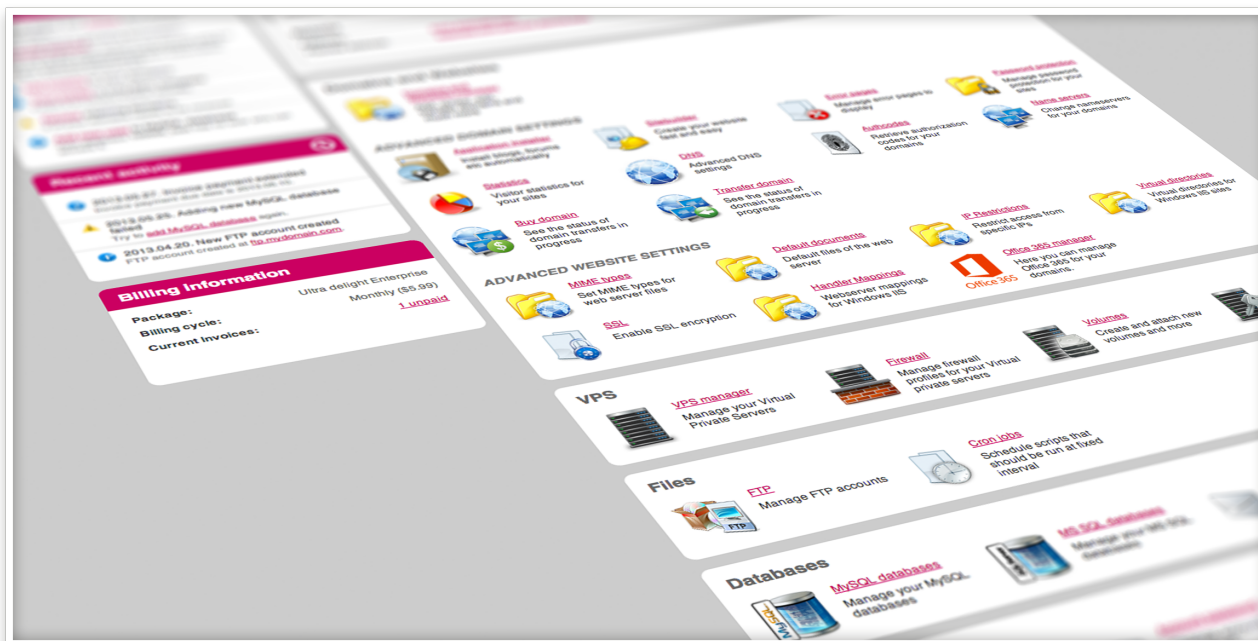
Our control panel for end users (your customers) is powerful and easy to use. It lets users manage their own services as they please, when they please. Empowering end users doesn't just increase customer satisfaction, it also lessens the burden on your support staff.

On top of that, your staff has access to an administrator control panel to help them do their job easier, faster and more efficiently, with much less room for error than a more manual approach. When we say that Atomia is an automation company, we mean it.

Tying the various user-facing elements together is **Atomia Identity**, a single sign-on solution based on Windows Identity Foundation.

Control Panel For End Users

Atomia's user-facing control panel is technically made up of two separate control panels, one for managing hosting resources, and one for billing. They are integrated seamlessly and do not require separate logins.



Control Panel For Administrators and Support

The administrator control panel makes it easy for your support staff to view and manage your customers' accounts and services, including both technical and billing-related issues. It also lets you set up products, provision services and other administrative tasks.

Localization and Language Support

The Atomia control panels are easy to localize and come with existing support for the following languages:

- English
- German
- French
- Spanish
- Portuguese
- Dutch
- Polish
- Swedish
- Danish
- Norwegian

New languages are added continuously, and specific languages can be added upon demand.

Brands, Reselling & White-Labeling

As an Atomia customer, you are not limited to managing just one brand. You can have multiple products marketed under multiple brands, and you can also allow other companies to resell your services. You can choose to white-label your services for resellers, or not.

A Truly Developer-Friendly Platform

Atomia is, in our opinion, the most developer-friendly hosting platform out there. Thanks to its powerful set of APIs it's easy to add custom integration with any services not already supported out of the box, or replace parts of the platform with your own if you so wish.

Third-party developers (and that includes you) have access to the same APIs and frameworks we use internally, so there is no artificial ceiling to what is possible.

Learn More

We hope this document has given you some idea of what Atomia can offer you. Please don't hesitate to contact us with any questions you may have:

sales@atomia.com