

PrivacyPolicyAtom

The smallest readable item in a privacy policy which can be indexed. These are either **PrivacyPolicyParagraph** objects or **PrivacyPolicyTitle** objects. Each **PrivacyPolicyAtom** has a reference to the section or subsection it belongs to, as well as numbered index which indicates it's ordinal position in the privacy policy. Printing a **PrivacyPolicyAtom** will print the raw text contained in the atom.

Methods and Properties:

parent_section: A reference to the **PrivacyPolicySection** object that contains this atom. This will be the section or subsection in the privacy policy.

has_as_parent(section): Checks if this atom's parent or any of its parent sections match the given **PrivacyPolicySection** object.

text: A string representing the raw text of the atom.

atom_index: The ordinal index of the atom within the privacy policy. In a typical privacy policy the policy's title will be the first atom at index 0, and the final paragraph will be the last atom and have the greatest index.

PrivacyPolicySection

An object representing a section or subsection of the privacy policy. Each section contains some combination of subsections and/or atoms.

Methods and Properties:

title: The title atom for this section.

parent_section: A reference to the **PrivacyPolicySection** object that contains this section, or **None** if this is the policy's root section.

has_as_parent(section): Checks if this section's parent or any of its parent sections match the given **PrivacyPolicySection** object.

paragraphs: An ordered list of **PrivacyPolicyParagraph** objects that belong directly to this section of the policy. (This does not include paragraphs contained within subsections of this section, if any.)

subsections: An ordered list of **PrivacyPolicySection** objects which represent the child sections contained directly by this section. (This does not include those children's subsections.)

all_atoms: An ordered list of all **PrivacyPolicyAtom** objects contained within this section of the policy, including titles and atoms contained within child sections of the section.

all_titles: An ordered list of all **PrivacyPolicyTitle** objects contained within this section of the policy, including titles contained within child sections of the section.

subsection_titles: An ordered list of **PrivacyPolicyTitle** objects that belong to direct subsections of this section. (This does not include titles of those subsections' children.)

PrivacyPolicy

An object containing all data and functionality surrounding a privacy policy.

Constructor:

PrivacyPolicy(file): Creates a **PrivacyPolicy** object from the given file name which points to an XML file containing privacy policy data.

Methods and Properties:

root_section: A reference to a **PrivacyPolicySection** object representing the entire policy.

date: A string representing the date for this privacy policy.

url: A string representing the URL of this privacy policy.

title: A **PrivacyPolicyTitle** object representing the title of this privacy policy. (This is a convenience property for accessing `policy.root_section.title`.)

sections: An ordered list of **PrivacyPolicySection** objects which represent the top level sections contained in this privacy policy. (This is a convenience property for accessing `policy.root_section.subsections`.)

all_atoms: An ordered list of all **PrivacyPolicyAtom** objects contained within this policy. (This is a convenience property for accessing `policy.root_section.all_atoms`.)

all_titles: An ordered list of all **PrivacyPolicyTitle** objects contained within this policy, including the policy's own title and titles nested within sections and subsections of the policy. (This is a convenience property for accessing `policy.root_section.all_titles`.)

section_titles: An ordered list of **PrivacyPolicyTitle** objects that belong to top level sections of this policy. (This is a convenience property for accessing `policy.root_section.subsection_titles`.)

title_map: A dictionary whose keys are strings representing the names of all section and subsection titles within this privacy policy. The associated values are the **PrivacyPolicyTitle** objects which correspond to those names. (This allows for easy lookup of a title object and its index given the title name.)

get_read_last_index(read_start_index): Given an atom index at which to start reading, calculate the last atom index that falls within the same immediate parent section of the privacy policy. (Useful for determining how far Alexa should automatically read if the user jumps to a particular spot in the privacy policy.)