

# Structured Notes

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# Introduction

## What are Structured Notes?

Structured Notes are contracts with counterparties, usually large banks (e.g. JPMorgan, Goldman Sachs, Citigroup, and others), who agree to pay the buyer a certain return based on the performance of an underlying assets or security, most commonly a stock index.

*There are four key parts to a Structured Note:*

**Term** – every Structured Note has a specific maturity date. Typical terms range from 2-5 years, but the range can extend from 1 month to 10 years.

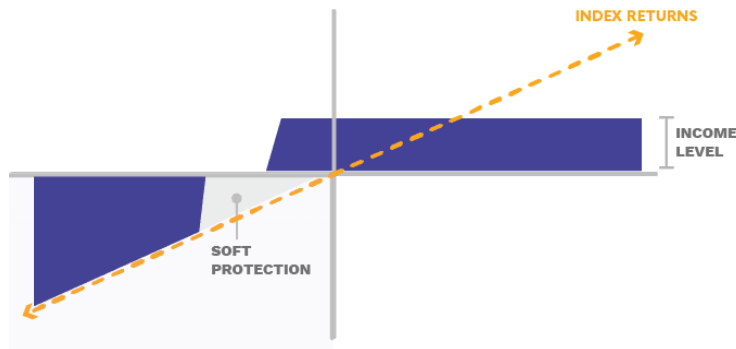
**Reference asset** – a Structured Note’s performance is linked to the price return of a reference asset such as a stock index, but also can include individual stocks and ETFs, interest rates, commodities, and other securities that have a liquid derivatives market.

**Protection** – protection is the primary reason why investors are drawn to Structured Notes. We’ll discuss this in more depth on the next slide.

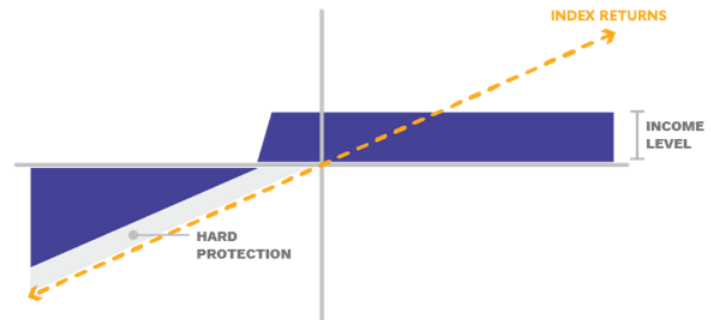
**Payoff** – payoffs are often divided into two categories: Growth or Income. We’ll discuss this later as well.

# Protection

Structured Notes absorb the whole loss if the loss in the underlying reference asset is below the protection level. For example, if the protection level is 30% and the underlying asset declines by less than 30% at the end of the term, the holder of note will get their full principal back.



**Soft Protection:** Amount up until the shield is protected; everything after the shield is a full loss (e.g., if underlying is down 31% and the shield is 30%, buyer still has 31% loss)



**Hard Protection:** Amount up until the shield is protected; everything after the shield is a loss less the shield (if the shield is 30% and the underlying is down 31%, the return of the note is a loss of 1%)

\*Payoffs above are for income notes, but protection works the same way for growth notes

\*\*30% shield used as an illustration; actual amount of protection is customizable and varies per note.

Source: Halo Investing.

# Payoffs

In positive return scenarios, growth notes pay a percentage of the price appreciation of the reference asset at maturity, say, for example, 90% of the S&P.

Income notes typically pay a fixed rate at a predetermined frequency (say for example 8%), similar to how a typical bond yield works.

**Structured notes generally fall into one of two broad categories:**



## Growth Notes

Investors receive a percentage, known as the **participation rate**, of the underlying asset's price appreciation.



## Income Notes

Investors receive a fixed payment, known as a **coupon**, over the life of the note.

Income notes do not participate in the upside returns the way a growth note does—but they may generate a higher income stream than a standard debt security or dividend-paying stock. This is because protection is offered for both the principal and the coupon payments.

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