

Ownable	
owner: address	
<<event>> OwnershipTransferred(address,address)	
<modifier> onlyOwner()	
+transfer(address,address)	
+renounceOwnership()	
+transferOwnership(address)	

SafeMath	
<<library>>	
+mul(uint,uint): uint const	
+div(uint,uint): uint const	
+sub(uint,uint): uint const	
+add(uint,uint): uint const	

ERC20Basic	
<<event>> Transfer(address,address,uint)	
+totalSupply(): uint const	
+balanceOf(address): uint const	
+transfer(address,uint): bool	

Pausable	
+paused: bool	
<<event>> Pause()	
<modifier> whenNotPaused()	
+pause()	
+unpause()	
onlyOwner	

Crowdsale	
token: ERC20	
wallet: address	
+rate: uint	
+weiRaised: uint	
<<event>> TokenPurchase(address,address,uint,uint)	
+Crowdsale(uint,uint,address,uint)	
+payable	
+buyTokens(address)	
+prevalidatePurchase(address,uint)	
+postvalidatePurchase(address,uint)	
+deliverTokens(address,address,uint)	
+processPurchase(address,address,uint)	
+updatePurchaseState(address)	
+getTokenAmount(uint)	
+forwardFunds()	

BasicToken	
balances: mapping(address=>uint)	
+totalSupply(): uint	
+transfer(address,uint): bool	
+balanceOf(address): uint const	
+transferFrom(address,address,uint): bool	

ERC20	
<<event>> Approval(owner,address,spender,address)	
+allowance(owner,address,address): uint const	
+transferFrom(address,address,uint): bool	
+approve(address,address,uint): bool	

ERC827	
+approveAndCall(address,address,uint,uint,data): bool	
+transferAndCall(address,uint,uint,data): bool	
+transferFromAndCall(address,address,uint,uint,data): bool	
+payable	

BurnableToken	
<<event>> Burn(burner:address,value:uint)	
+burn(uint)	
+burnFrom(address,uint)	

StandardToken	
+allow(address,address,uint): bool	
+transferFrom(address,address,uint): bool	
+approve(address,address,uint): bool	
+increaseApproval(address,uint): bool	
+decreaseApproval(address,uint): bool	

CappedCrowdsale	
+cap: uint	
+constructor(cap:uint)	
+capReached(): bool const	
+prevalidatePurchase(address,uint)	

MintedCrowdsale	
+deliverTokens(address,address,uint)	

TimedCrowdsale	
+openingTime: uint	
+closingTime: uint	
<modifier> onlyWhenOpen()	
+hasClosed(): bool const	
+prevalidatePurchase(address,uint)	
+onlyWhenOpen	

StandardBurnableToken	
+burnFrom(address,uint)	

MintableToken	
+mintingFinished: bool = false	
<<event>> Mint(to:address,amount:uint)	
+mint(to:address,uint): bool	
onlyOwner	
+finishMinting(): bool	
constructor	

ERC827Token	
+approveAndCall(address,address,uint,uint,data): bool	
+transferAndCall(address,uint,uint,data): bool	
+transferFromAndCall(address,address,uint,uint,data): bool	
+payable	
+increaseApproval(address,uint): bool	
+decreaseApproval(address,uint): bool	
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PausableToken	
+transfer(address,address,uint): bool	
+transferFrom(address,address,uint): bool	
+approve(address,address,uint): bool	
+approve(address,address,uint): bool	
+increaseApproval(address,uint): bool	
+decreaseApproval(address,uint): bool	
+payable	

FinalizableCrowdsale	
+finalized: bool = false	
<<event>> Finalized()	
+finalize()	
onlyOwner	
+finalization()	

CappedToken	
+cap: uint	
<<event>> Cap(uint)	
+mint(to:address,uint): bool	
onlyOwner	
constructor	

VreotokenSale	
+MINTSALE_TOKEN_CAP: uint = 0	
<<event>> BatchClosed(now:uint)	
+constructor(token:Vreotoken_cap:uint,token:Vreotoken_cap:uint,token:Vreotoken_cap:uint,token:Vreotoken_cap:uint)	
+Crowdsale(address,uint,uint,address,uint)	
+prevalidatePurchase(address,uint)	
+postvalidatePurchase(address,uint)	
+deliverTokens(address,address,uint)	
+processPurchase(address,address,uint)	
+updatePurchaseState(address)	
+getTokenAmount(uint)	
+forwardFunds()	
+finalization()	

Vreotoken	
name: string = "Vreotoken"	
symbol: string = "VREO"	
decimals: uint8 = 18	
<<event>> MintAdded(minter:address)	
<<event>> MintRemoved(minter:address)	
+addMinter(address)	
+removeMinter(address)	
+mint(to:address,uint): bool	
onlyOwner	
constructor	

BurnableToken	
<<event>> Burn(burner:address,value:uint)	
+burn(uint)	
+burnFrom(address,uint)	

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